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Province of Manitoba

DEPARTMENT OF MINES AND NATURAL RESOURCES

MINES BRANCH

PUBLICATION 51-1

Bibliography
of
Geology of the Precambrian Area
of Manitoba
to 1950

WINNIPEG
1951



Province of Manitoba

DEPARTMENT OF MINES AND NATURAL RESOURCES

HON. J. S. McDIARMID
Minister

D. M. STEPHENS
Deputy Minister

MINES BRANCH

J. S. RICHARDS
Director

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Compiled by
G. C. MILLIGAN

Winnipeg
1951

Printed by C. E. Leech
Printer to the King's Most Excellent Majesty

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PREFACE

This bibliography was compiled to provide a convenient index of geological publications dealing with the part of Manitoba underlain by rocks of Precambrian age.

A similar bibliography has been compiled dealing with the parts of Manitoba underlain by rocks of post-Cambrian age. This bibliography is divided into four parts. In Part I publications are listed under the full title and are arranged alphabetically according to authors; where more than one article is listed under the same author, these are arranged chronologically. In the second part the references are indexed according to subject matter, and in the third, according to location. In the second and third parts, the author and date of publication serve as a reference to the complete title, in Part I. Part IV contains lists of more recent maps.

The references have been rather rigidly restricted to those dealing primarily with the geology of an area. Accordingly, many articles dealing mainly with mining, milling or more general topics have been omitted, although they may contain brief reference to the geology of the area concerned.

A complete index of such matters as Historical Geology, Structural Geology, or Petrology has not been attempted. Instead, an index entry such as "Herb Lake, General" should be read as "Herb Lake, General Geology", including discussion of petrology, structure, metamorphism, and such other matters as are commonly included in the description of an area. In the same way, the index entry "Regional" refers to general geology of a still broader area done in lesser detail. In general this entry refers to the reconnaissance and track-survey type of work done by the Geological Survey of Canada, mainly prior to about 1910.

Probably references to some publications which should have been included have been omitted. Suggestions for corrections of future revisions will be appreciated.

Assistance in compiling this bibliography was provided by lists previously compiled by F.S. Gamey and Lillian B. Kerr.

Acknowledgment is made of the willing assistance offered by the staffs of the Science Library of the University of Manitoba, the Manitoba Provincial Library, and by J.P. de Wet of the Manitoba Chamber of Mines. Dr. J.M. Harrison, of the Geological Survey of Canada, kindly made his personal bibliography of Manitoba Precambrian geology available for checking while this publication was in manuscript form.

PART I

REFERENCES INDEXED BY AUTHOR

Ahrens, L.H.

- (1947): Geological Age: The Extreme Antiquity of Pegmatites from Manitoba.
Nature, vol. 160, p. 874.
- (1948a): (and Evans, R.D.); The Radioactive Decay Constants of K^{40} as determined from the Accumulation of Ca^{40} in Ancient Minerals.
Phys. Rev., vol. 74, No. 3, pp. 279-286.
- (1948b): The Unique Association of Thallium and Rubidium in Minerals.
Jour. Geol., vol. 56, pp. 578-590.
- (1948c): Evidence of Geological Age against Decay of Tin - 115 to Indium - 115 by Electron Capture.
Nature, vol. 162, pp. 413-414.
- (1949): Measuring Geologic Time by the Strontium Method.
Bull. Geol. Soc. Am., vol. 60, pp. 217-266.
- (1950): Age of Extremely Ancient Pegmatites from South-eastern Manitoba.
Nature, vol. 166, p. 149.

Alcock, F.J.

- (1916): Lower Churchill River Region, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1915, pp. 133-136.
- (1918a): The Origin of the Gold Deposits of Wekusko Lake.
Can. Min. and Met. Bull., No. 77, pp. 801-803.
- (1918b): Wekusko Lake Area, Northern Manitoba.
Geol. Surv., Canada, Sum. Rept., 1917, pt. D, pp. 8-17.

Alcock, F.J. (continued)

(1919a): Reed - File Lake Area, Manitoba.

Geol. Surv., Canada, Sum. Rept., 1918, pt. D.
pp. 6-8.

(1919b): Wekusko Lake Area, Manitoba.

Geol. Surv., Canada, Sum. Rept., 1918, pt. D.
pp. 9-10.

(1920a): Cross - Pipestone Map Area, Manitoba.

Geol. Surv., Canada, Sum. Rept., 1919, pt. D.
pp. 11-18.

(1920b): The Reed - Wekusko Map Area, Northern Manitoba.

Geol. Surv., Canada. Mem. 119.

(1920c): Gold Deposits of the Herb Lake District,
Manitoba.

Can. Min. Jour., vol. 41, p. 904.

(1921a): Oswagan - Burntwood River Area, Northern
Manitoba.

Geol. Surv., Canada, Sum. Rept., 1920, pt. C,
pp. 1-6.

(1921b): Rat River Route from Threepoint Lake to Southern
Indian Lake, Manitoba.

Geol. Surv., Canada, Sum. Rept., 1920, pt. C,
pp. 6-12.

(1921c) A Local Occurrence of Differentiation in Granite
on the Churchill River, Northern Manitoba.

Trans. Roy. Soc. Canada, 3rd Ser., vol. 14,
sec. 4, pp. 31-33.

(1921d): The Occurrence of Gold at Herb Lake.

Can. Inst. Min. and Met., Bull. 107, pp. 210-
215.

(1921) (and Bruce, E.L.): Precambrian Rocks of Mani-
toba. Bull. Geol. Soc. Am., vol. 32,
pp. 267-292.

(1923): Flin Flon Map Area, Manitoba and Saskatchewan.

Geol. Surv., Canada, Sum. Rept., 1922, pt. C. pp. 1-36

(1924): The Pas Mineral Belt.

Can. Min. Jour., vol. 45, pp. 713-715.

Alcock, F.J. (continued)

(1927) (and Bingay, T.W.): Lead and Zinc in Canada.
Trans. Can. Inst. Min. and Met., vol. 30,
pp. 225-251.

(1930): Zinc and Lead in Canada.
Geol. Surv., Canada, Econ. Geol. Series,
No. 8, 406 pp.

(1933): Copper in Canada.
In Copper Resources of the World.
Washington, XVI Int. Geol. Cong., pp. 65-136.

Aldrich, L.T.

(1948) (and Nier, A.O.): The Occurrence of He³ in
Natural Sources of Helium.
Phys. Rev., vol. 74, pp. 1590-94.

Allan, J.D.

(1946): Geology of the Lynn Lake Area, Granville Lake
Division.
Manitoba Mines Branch, Prelim. Rept. 46-2.

(1947): Geology of the Lynn Lake Area, Manitoba.
Precambrian, Winnipeg, vol. 20, No. 2,
pp. 8-9 and 17.

(1948a): The Lynn Lake Area.
Precambrian, Winnipeg, vol. 21, No. 3, pp. 4-8.

(1948b): Geology of the Hughes Lake Area, Granville Lake
Division.
Manitoba Mines Branch, Prelim. Rept. 47-3.

(1950): The Lynn Lake Nickel Area, Manitoba.
Trans. Can. Inst. Min. and Met., vol. 53,
pp. 357-362.

Ambrose, J.W.

(1936a): Structures in the Missi Series near Flin Flon,
Manitoba.
Trans. Roy. Soc. Canada, 3rd Series, vol. 30
sec. 4, pp. 81-98.

(1936b): Progressive Kinetic Metamorphism in the Missi
Series near Flin Flon, Manitoba.
Amer. Jour. Sci., 5th Series, vol. 32, No. 190,
pp. 257-286.

Anderson, A.K.

- (1929): Recovery of Gold and Silver from the Ore of the
Gem Lake Mine, East Central Manitoba.
Mines Branch, Dept. of Mines, Ottawa, No. 720,
Rept. No. 326, pp. 58-64.

Anderson, John

- (1910): Report of the Preliminary Surveys for a Proposed
Railway to Hudson Bay.
Sessional paper 20D, King's Printer, Ottawa.

Anonymous

- (1925): Sampling of the Bingo Mine by Reid and Dresser.
Can. Min. Jour., vol. 46, pp. 472-473.

Armstrong, J.E.

- (1941): Wekusko (Herb) Lake, Manitoba.
Geol. Surv., Canada, Map 665A, with descrip-
tive notes.

Armstrong, P.

- (1923): Geology and Ore Deposits of Elbow Lake Area,
Northern Manitoba.
Geol. Surv., Canada, Sum. Rept., 1922, pt. C.,
pp. 37-44.

Attwood, C.H.

- (1925): The Power Possibilities of the Nelson River.
Trans. Can. Inst. Min. and Met., vol. 28,
pp. 330-340.

(1930): Water Powers of Manitoba.

Trans. Can. Inst. Min. and Met., vol. 33,
pp. 22-33.

Auer, Marianne L.

- (1941): (see Morgan, J.H.)

Baker, W.F.

- (1935): Geology of God's Lake Gold Mines. Ltd.
Trans. Can. Inst. Min. & Met., vol. 38, pp.
155-162.

Bateman, J.D.

- (1942a): Geology and Metamorphism, McVeigh Lake, Mani-
toba. Am. Jour. Sci., vol. 240, pp. 789-808.

- (1942b): Chromite in Manitoba - Extent of Deposits and
Their Value in Warfare.
Precambrian, Winnipeg, vol. 15, No. 12, pp. 2,
5-7, 23.

Bateman, J.D.

- (1943a): Tin in Manitoba.
Can. Min. Jour., vol. 64, No. 5, pp. 273-278.
- (1943b): Bird River Chromite Deposits, Manitoba.
Trans. Can. Inst. Min. and Met., vol. 46,
pp. 154-183.
- (1943c): Scheelite Near Falcon Lake, Manitoba.
Precambrian, Winnipeg, vol. 16, No. 8,
pp. 4-7, 13.
- (1944a): Preliminary Map Sherritt-Gordon Mine Area,
Manitoba.
Geol. Surv., Canada, Paper 44-4, (see also
Map 862A).
- (1944b): (and Harrison, J.M.): Map of Mikanagan Lake
Area, Manitoba.
Prelim. Map 44-22, (see also Map 832A).
- (1944c): (and Harrison, J.M.): Geology of the
Mikanagan Lake Map Area.
Precambrian, Winnipeg, vol. 17, No. 10,
pp. 4-7, 12.
- (1945a): Gold Deposits East of Flin Flon, Manitoba.
Precambrian, Winnipeg, vol. 18, No. 6,
pp. 6-9, 17.
- (1945b): Gold Deposits of Flin Flon, Manitoba.
Geol. Surv., Canada, Paper 45-12.
- (1945c): Composition of the Bird River Chromite,
Manitoba.
Amer. Mineral., vol. 30, pp. 596-600.
- (1945d): McVeigh Lake Area, Manitoba.
Geol. Surv., Canada, Paper 45-14.

Bell, Robert

- (1873): Report on Country between Lake Superior
and Lake Winnipeg.
Geol. Surv., Canada, Rept. Prog., 1872-73.
- (1879): Report on Country between Lake Winnipeg and
Hudson Bay.
Geol. Surv., Canada, Report of Prog., 1877-78,
pt. CC, 31 pp.

- (1880): Report on Explorations on the Churchill and Nelson Rivers, and around Gods and Island Lakes. Geol. Surv., Canada, Rept. of Prog., 1878-79. pt. C, pp. 1-44.
- (1881): Report on Hudson Bay and some of the Lakes and Rivers Lying to the West of it. Geol. Surv., Canada, Rept. of Prog., 1879-80, pt. C, pp. 1-56.
- (1904): Amygdaloid in Manitoba. Geol. Surv., Canada, Sum. Rept., 1903, pt. A, p. 9.

Bichan, W.J.

- (1948): Factors in the Search for a New Flin Flon. Western Miner, vol.21, No.6, pp. 43-45.

Bingay, T.W.

- (1927) (and Alcock, F.J.): Lead and Zinc in Canada. Trans.Can. Inst. Min. and Met., vol. 30, pp. 225-251, 1927.
2nd., Empire Min. and Met. Congress, Canada, 1927, Proc., pt. 1, pp. 633-659.

Birse, J.D.

- (1928a): The Partridge (Mystery) Lake Area, Northern Manitoba.
Man. Govt. Bull.
- (1928b): Loon River Route from Loon Lake to Kemuchawie Lake, Manitoba.
Bull. Dept. Mines and Natural Resources, Manitoba.

Boyes, W.T.

- (1948) (and Harrison, J.M.): Squall Lake Property. Struct.Geol.Can.Ore Deposits, pp. 302-304, C.I.M.M.

Bragg, J.G.

- (1943): Rock Alteration at the San Antonio Mine. Can.Min. Jour., vol. 64, No. 9, pp.553-556.

Bramble, C.A.

- (1918): The Rice Lake Gold Area.
Manitoba's Northland, issued by Commissioner of Northern Manitoba, The Pas, Nov. 1918.

Brock, R.W.

- (1911): The Hudson Bay Route (Observations made during a trip with His Excellency, the Governor-General). Geol. Surv., Canada, Sum. Rept., 1910, pp.14-22.

Brown, E.L.

- (1947): Prospecting in the Granville Lake Mineral Area,
Manitoba.
Precambrian, Winnipeg, vol.20, No.2, pp. 4-7.

Brownell, G.M.

- (1935) (and Kinkel, A.R.): Flin Flon Mine: Geology
and Paragenesis of the Ore Deposit.
Trans.Can. Inst. Min. and Met., vol. 38,
pp. 261-286.

- (1938): Zeolites at the Sherritt-Gordon Mine.
University of Toronto Studies, Geol.Series,
No. 41, pp. 19-22.

- (1941): Geology of the Falcon Lake Stock, Southeastern
Manitoba.
Trans.Can. Inst. Min. and Met., vol. 44,
pp. 230-250.

- (1942): Chromite (in Manitoba) - Geology and Character
of a Discovery Deposit.
Precambrian, Winnipeg, vol.15, No.12, pp. 3-5.

- (1943): Chromite from Manitoba.
Univ. of Toronto Studies, Geological Series
No. 48, pp. 101-102.

- (1945) (and Kliske, A.E.): The Hematite on Black Island,
Lake Winnipeg, Manitoba.
Trans.Can. Inst. Min. and Met., vol.48, pp.
284-293.

Browning, C.P.

- (1927): Canadian Copper and its Production.
Trans.Can. Inst. Min. and Met., vol. 30, pp.
194-224.
2nd., Empire Min. and Met. Cong., Canada,
1927, Proc., Pt. 1, pp. 601-631.

Bruce, E.L.

- (1915): Amisk Lake District, Northern Saskatchewan and
Manitoba.
Geol.Surv., Canada, Sum.Rept., 1914, pp.67-69.
- (1916a): Amisk-Athapapuskow Lake Area, Northern
Saskatchewan and Northern Manitoba.
Geol.Surv., Canada, Sum.Rept., 1915, pp. 126-130.

Bruce, E.L. (continued)

- (1916b): A New Gold Area in Northeastern Saskatchewan and Manitoba.
Can.Min. Inst., Trans., vol. 18, pp. 174-181.
- (1917): Schist Lake and Wekusko Lake Areas, Northern Manitoba.
Geol.Surv., Canada, Sum. Rept., 1916, pp.159-169.
- (1918a): Prospecting Areas in Northern Manitoba.
Manitoba's Northland, Issued by Commissioner of Northern Manitoba, Nov. 1918.
- (1918b): Amisk-Athapapuskow Lake District.
Geol. Surv., Canada, Mem. 105.
- (1918c): Molybdenite near Falcon Lake, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1917, pt. D.
pp. 22-25.
- (1918d): Mining in Northern Manitoba.
Can. Min. Inst., Trans., vol.21, pp. 262-270.
- (1918e): Schist Lake District, Northern Manitoba.
Geol. Surv., Canada, Sum. Rept., 1917, pt. D,
pp. 1-8.
- (1919a): Athapapuskow Lake District, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1918, pt. D.
p. 1.
- (1919b): District Lying Between Reed Lake and Elbow Lake,
Manitoba.
Geol. Surv., Canada, Sum. Rept., 1918, pt. D.
pp. 2-5.
- (1919c): Gold-Quartz Veins and Scheelite Deposits in
Southeastern Manitoba.
Geol. Surv., Canada, Sum. Rept., 1918, pt. D,
pp. 11-15.
- (1920a): Chalcopyrite Deposits in Northern Manitoba.
Econ. Geol., vol.15, pp. 386-397.
- (1920b): Knee Lake District, Northeastern Manitoba.
Geol.Surv., Canada, Sum.Rept., 1919, pt. D.
pp. 1-11.

Bruce, E.L. (continued)

(1921) (and Alcock, F.J.): Precambrian Rocks of Manitoba.

Bull. Geol. Soc. Am., vol. 32, pp. 267-292.

(1922): The Early Precambrian Formations of Northern Ontario and Northern Manitoba.

Jour. Geol., vol. 30, pp. 459-471.

(1929a): The Sherritt-Gordon Copper-Zinc Deposit, Northern Manitoba.

Econ. Geol., vol. 24, pp. 457-469.

Pan-Am. Geol., vol. 51, No. 2, p. 154.

(1929b): Geology of the Sherritt-Gordon Mine.

Eng. & Min. Jour., vol. 128, No. 22, p. 853.

(1930) (and Matheson, Archie Farquhar): The Kisseynew Gneiss of Northern Manitoba and Similar Gneisses Occurring in Northern Saskatchewan.

Trans. Roy. Soc. Canada, ser. 3, vol. 24, sec. 4, pp. 119-132.

(1930): The Sherritt-Gordon Copper-Zinc Deposit, Northern Manitoba.

Econ. Geol., vol. 25, pp. 868-870.

(1933): Mineral Deposits of the Canadian Shield.

428 pp. Toronto, MacMillan Co.

Buckham, A.F.

(1942): Preliminary map, Athapapuskow Lake, Manitoba.

Geol. Surv., Canada, Paper 42-16. (See also map 807A).

Callinan, J.W.

(1917): Flin Flon Lake copper District.

Eng. and Min. Jour., vol. 103, pp. 303-304.

Cameron, E.L.

(1948): Peat Moss in Manitoba.

Manitoba Mines Branch, Rept. 48-1.

(1949): A Review of Industrial Mineral Development in Manitoba.

Trans. Can. Inst. Min. and Met., vol. 52, pp. 9-14.

Campbell, J.A.

- (1917a): Northern Manitoba.
Man. Govt. Publ., Nov. 1917.
pp. 9-12, 15-17, 18, 19, 21, 22, 24, 25.
- (1917b): Copper and Gold in Manitoba.
Can. Min. Jour., vol. 38, pp. 274-276.
- (1918a): Manitoba's Northland.
Man. Govt. Publ.
- (1918b): Northern Manitoba Mineral Belt.
Man. Pub. Serv. Bull., July, 1918.
- (1918c): The Northern Copper Country.
Man. Pub. Serv. Bull., Aug. & Oct. 1918.

Camsell, C.

- (1903): Notes on Amygdaloid on Lake Manitoba.
Geol. Surv., Canada, Ann. Rept., vol. 15,
pt. AA, p. 9.
- (1913): (see Collins, W.H.)

Cole, G.E.

- (1927): Development of Gold Mining in Canada.
Can. Min. and Met. Bull., No. 185, pp. 1013-1150.
- (1932): Progress in Metal Mining in Manitoba.
Trans. Can. Inst. Min. and Met., vol. 35,
pp. 39-57.
- (1938): The Mineral Resources of Manitoba.
Econ. Survey Board, Prov. of Manitoba, June,
1938. 202 pp.
- (1946): Nickel and Copper at Lynn Lake.
Western Miner, p. 56, July, 1946.
- (1947): Twenty Years of Mining in Manitoba.
Precambrian, Winnipeg, vol. 20, No. 11, pp. 4-9, 15.
- (1948): Largest Western Copper Producer.
Western Miner, vol. 21, No. 12, pp. 62-67.

Cole, L.H.

- (1925) (and Eardley - Wilmot, V.L.): Lithium-bearing Minerals in Canada.
Mines Branch, Canada, No. 669, p. 69-75.

Coleman, A.P.

- (1922) (and Parks, W.A.): Elementary Geology with
Special Reference to Canada.
J.M. Dent and Sons, Toronto.

Collins, W.H.

- (1913a) (and Camsell, C.): Sudbury, Ontario to Dunmore,
Alberta.
Guidebook No.9, XII Inter. Geol. Cong., Canada,
pp. 11-15.
- (1913b) (and Wilson, M.E.): Winnipeg to Cochrane via
Northern Transcontinental Railway.
Guidebook No. 9, XII Inter. Geol. Cong., Canada,
pp. 149-153.
- (1913c): Annotated Guide, Winnipeg to Nipigon.
Guidebook No. 9, XII Inter. Geol. Cong., Canada,
pp. 153-159.

Colony, R.J.

- (1921): A Norite of the Sudbury Type in Manitoba.
Trans. Can. Inst. Min. and Met., vol. 24, pp.
112-123.
also Can. Min. Jour., vol. 41, No. 47, pp. 967-
970, Nov. 1920.

Cooke, H.C.

- (1922): Geology and Mineral Resources of Rice Lake and
Oiseau River Areas, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1921, pt. C,
36 pp.
- (1932): (and Johnston, W.A.): Gold Occurrences in Canada.
Geol. Surv., Canada, Econ. Geol. Ser. No. 10,
pp. 8-14.
- (1933): Land and Sea on the Precambrian Shield in Pre-
cambrian Time.
Am. Jour. Sci., vol.26, pp.428-441, 457-474,
1933 and vol 27, pp. 303-306, 1934.
- (1946): Canadian Lode Gold Areas.
Geol. Surv., Canada, Econ. Geol. Ser., No. 15,
86 pp.

Crombie, G.P.

- (1948): Geology of the Barrington Lake Area, Granville
Lake Division.
Manitoba Mines Branch, Prelim. Rept., 47-6.

Currie, J.B.

- (1947): Zones of Metamorphism in the Greenstones of the Morton Lake Area, Manitoba.
M.A. Thesis, Dept. of Geol. Sciences, Univ. of Toronto.

Davies, J.F.

- (1948): The Origin of the Cree Lake "Intruseives" and Basic Gneisses of the Kisseynew Series, Sherridon Area, Manitoba.
M. Sc. Thesis, Dept. of Geol., Univ. of Manitoba.
- (1949): Geology of the Wanipigow Lake Area, Rice Lake Division.
Manitoba Mines Branch, Prelim. Rept. 48-2.
- (1950): Wanipigow River Area.
Manitoba Mines Branch, Publ. 49-3.

Dawson, A.S.

- (1941): Assean - Split Lakes Area, Cross Lake Division, Manitoba Mines Branch, Rept. 39-1.
- (1942): Manganese Occurrences in Manitoba.
Manitoba Mines Branch, Prelim. Geol. Rept. No. 42-1.

Dawson, G.M.

- (1875): On the Superficial Geology of the Central Region of North America.
Quart. Jour. Geol. Soc., London, vol. 31, pp. 603-623.
(abstract) Geol. Mag., (2), vol. 2, pp. 515-516.

De Huff, G.L. Jr.

- (1940): Recent Operations at San Antonio Mines, Ltd.
Precambrian, Winnipeg, vol. 13, No. 3, pp. 19-21.

DeLury, J.S.

- (1916a): The Manigotagan Gold District, Manitoba.
Can. Min. Jour., vol. 37, pp. 362-364.

DeLury, J.S. (continued)

- (1916b): Mineral Belt North of The Pas, Northwestern Manitoba and Eastern Saskatchewan.
Publ. Utilities Comm. Rept., 1916.
Same title in:
Can. Min. Jour., vol. 37, pp. 412-414, 1916.
Abstract in:
(and Wallace, R.C.) Can. Min. Inst. Bull.,
vol. 54, pp. 884-890, 1916.
- (1917): Molybdenite at Falcon Lake, Manitoba.
Can. Min. Jour., vol. 38, pp. 460-462.
- (1918): Tungsten Ore Deposits near Falcon Lake, Manitoba.
Can. Min. Jour., vol. 39, pp. 186-188.
- (1919): Some Economic Aspects of the Falcon Lake District,
Manitoba.
Trans. Can. Inst. Min. and Met., vol. 22,
pp. 320-328.
- (1920): An Occurrence of Tin near the Ontario-Manitoba
Boundary.
Can. Min. Jour., vol. 41, pp. 520-531.
- (1921): Mineral Prospects in Southeastern Manitoba (Rice
Lake, Maskwa River and Boundary Districts).
Manitoba Govt. Bull., Commissioner of
Northern Manitoba, 55 pp. w. map.
- (1925): An Application of the Theory of Metallogenesis
to the Prospecting Areas of Manitoba.
Trans. Can. Inst. Min. and Met., vol. 28,
pp. 358-370.
- (1926): Pegmatites of Southeastern Manitoba.
Can. Min. Jour., vol. 47, No. 28, pp. 695-697.
- (1927): The Mineral Resources of Southeastern Manitoba,
Rice Lake District, Oiseau River District,
Boundary District.
Indust. Dev. Board, Manitoba.
- (1929): Tin Prospects in Manitoba.
Can. Min. Jour., vol. 50, pp. 810-813.

DeLury (continued)

(1930) (and Cole, G.E.): The Precambrian.
Ann. Rept. on Mines and Minerals, Dept. Mines
and Nat. Resour., Manitoba, vol. 1, 1928,
pp. 12-25.

(1930): Beryl in Manitoba.
Can. Min. Jour., vol. 51, pp. 1015-1018.

(1931) (and Ellsworth, H.V.): Uraninite from the
Huron Claim, Winnipeg River Area.
Am. Mineral., vol. 16, No. 12, pp. 569-575.

De Mille, John B.

(1934): Canada's Gold Prospects.
Eng. & Min. Jour., vol. 135, pp. 77-78.

Derry, J.R.

(1930a): Geology of the Ontario-Manitoba Boundary.
Can. Min. Jour., vol. 51, pp. 1098-1099.

(1930b): Tin Bearing Pegmatites in Eastern Manitoba.
Econ. Geol., vol. 25, pp. 145-159.

(1931) (and MacKenzie, G.S.): Geology of the Ontario-
Manitoba Boundary (12th Base Line to Latitude
54°).
Ontario Dept. Mines, Ann. Rept., vol. 40,
pt. 2, pp. 1-20.

(1942): The Sherritt-Gordon Mine.
Ore Deposits as Related to Structural Features,
Newhouse, ed. p. 155.

De Wet, J.P.

(1935): Manitoba's Newest Gold Producer - A Brief
Description of God's Lake Gold Mines, Ltd.
Can. Min. Jour., vol. 56, pp. 474-476.

(1936): Gunnar Gold Mines, Limited
Can. Min. Jour., vol. 57, No. 6, pp. 272-274.

(1942a): Chromite in Southeastern Manitoba.
Can. Min. Jour., vol. 63, No. 10, pp. 657-658.

(1942b): Important Chromite Deposits in Manitoba.
Precambrian, Winnipeg, vol. 15, No. 9, pp. 9,
21.

De Wet, J.P. (continued)

- (1946): Notes on the Prospecting Areas of Manitoba.
Precambrian, Winnipeg, vol. 19, No. 5,
pp. 4-17.

Dix, W.F.

- (1948): Geology of the Gods Lake Area, Gods Lake
Division.
Manitoba Mines Branch, Prelim. Rept. 47-4.

Dobbs, W.S.

- (1906): The Region South of Cape Tatnam, Hudson Bay.
Geol. Surv., Canada, Sum. Rept., 1905,
pp. 69-73.

Dowling, D.B.

- (1896) (and Tyrrell, J.B.): Report on the Country be-
tween Athabasca Lake and Churchill River,
with Notes on Two Routes Travelled between
the Churchill and Saskatchewan Rivers.
Geol. Surv., Canada, Ann. Rept., 1895, vol. 8,
pt. D, 120 pp.

- (1900) (and Tyrrell, J.B.): East Shore of Lake Winnipeg.
Geol. Surv., Canada, Ann. Rept., 1898, vol. 11,
pt. G, 98 pp.

- (1900): Report on the Geology of the West Shore and Islands
of Lake Winnipeg.
Geol. Surv., Canada, Ann. Rept., 1898, vol. 11,
pt. F, 100 pp.

- (1902): Report on Geological Exploration in Athabasca,
Saskatchewan and Keewatin Districts, including
Moose Lake and the Route from Cumberland Lake
to the Churchill River, and the Upper Parts of
Burntwood and Grass Rivers.
Geol. Surv., Canada, Ann. Rept., 1900, vol. 13,
pt. FF, 44 pp.

Downie, D.L.

- (1937): Stull (Mink) Lake Area, Manitoba.
Geol. Surv., Canada, Paper 37-7.

Dresser, J.A.

- (1917): Gold-Bearing Districts of Southeastern Manitoba.
Geol. Surv., Canada, Sum. Rept., 1916, pp.
169-175.

Ebutt, Frank

- (1944): The Nor-Acme Property of the Howe Sound
Exploration Company, Snow Lake, Herb Lake
Division, Manitoba.
Precambrian, Winnipeg, vol.17, No.7, pp.6-11.

Edwards, Abel

- (1821): Notes taken during the Summer of 1812, on a
Journey from York Fort, Hudson's Bay to Lake
Winnipeg and the Red River; by Mr. Abel Edwards,
Surgeon at the Settlement on Red River, together
with a Description of the Specimens collected by
Mr. Edwards and Mr. Holdworth, Surgeon at York
Fort.
Trans. Geol. Soc., (London), 1st Series, Vol. V.

Ellsworth, H.V.

- (1925): Radioactive Minerals as Geological Age Indicators.
Am. Jour. Sci., 5th Series, vol. 9, pp. 127-144.
Abstract: Brit.Assoc. Adv. Sci., Repts. 92nd
Meeting, p. 390.
also: Pan.Am. Geologist, vol. 42, No. 4, p. 320,
1924.

- (1931): (see DeLury, J.S.).

- (1932): Rare Element Minerals of Canada.
Geol. Surv., Canada, Econ. Geol. Series No. 11,
p. 105 and pp. 146-167.

Evans, R.D. (see Ahrens, 1948a).

Farley, W.J.

- (1949a): Geology of the Sherritt-Gordon Orebody.
Can. Min. and Met. Bull., vol. 42, No. 441,
pp. 25-29.

- (1949b): Geology of the Sherritt-Gordon Mine.
Struc. Geol. Can. Ore Depos., C.I.M.M.
pp. 292-295.

Fawley, A.P.

- (1949): Geology of the Sickie Lake Area, Granville Lake
Division.
Manitoba Mines Branch, Report 48-6.

Ferguson, R.B.

- (1950): Red Gold from the San Antonio Gold Mines,
Bissett, Manitoba.
Amer. Mineral, vol. 35, p. 459.

Ferrier, W.F.

- (1899): Petrography of the Area on the East Shore of
Lake Winnipeg and Adjacent Parts of Manitoba
and Keewatin.
Geol. Surv., Canada, Ann. Rept., vol. 11,
1898, pt. G.

Franklin, Sir John

- (1828): Narrative of a Second Expedition to the Shore of
the Polar Sea in 1826 and 1827. Appendix I,
by Dr. John Richardson.
John Murray, London.

Frarey, M.J.

- (1948): Preliminary Map, Crowduck Bay, Manitoba.
Geol. Surv., Canada, Paper 48-22.

- (1949): Collins Point, Manitoba.
Geol. Surv., Canada, Paper 49-9.

Gadd, N.R.

- (1949): Preliminary Map, Brochet Area, Manitoba.
Geol. Surv., Canada, Paper 49-12.

Geological Survey of Canada, Officers of

- (1930): Prospecting in Canada.
Geol. Surv., Canada, Econ.Geol. Series,
No. 7, 1930.

Gibson, J.C.

- (1948) (and Stockwell, C.H.): San Antonio Mine.
Struct. Geol. Can. Ore Depos., C.I.M.M.,
pp. 315-321.

Goodwin, W.L.

- (1930): Geology and Minerals of Manitoba, Prepared for
the Instruction and Guidance of Those Prospect-
ing in Manitoba. 260 pp. 4 figs.
Industrial & Educational Pub. Co., Gardenvale,
Que.

Gordon, J.P.

- (1922): The Probabilities of a Stable Gold Production
from Northern Manitoba.
Can.Min. and Met. Bull., No.118, pp. 168-173.

Green, W.A.

- (1930): History of Development and Organization at
Flin Flon Mine, Manitoba.
Trans.Can. Inst. Min. and Met., vol. 33,
pp. 214-221.

Greer, Leonard

- (1927) (see Wallace, R.C.)

(1928a): Ponask-Stevenson Lakes Area.
Manitoba Mines Branch, Bulletin.

(1928b): Mineral Prospects in the English Brook Area,
Manitoba.
Manitoba Mines Branch, Bulletin.

Gwillam, O.B.

- (1930): Leached Outcrops of Northern Manitoba.
Can. Min. and Met. Bull., No. 220, pp.1039-
1049.

Hage, C.O.

- (1944): Geology of the Gurney Gold Mine Area, Manitoba.
Precambrian, Winnipeg, vol.17, No.4, pp. 5-7, 25.

Hahn, O.

- (1937) (and Strassman, F., and Walling, E.)
Herstellung wägbarer Mengen des Strontium
isotops 87 als Umwandlungsprodukt des
Rubidiums aus einem kanadischen Glimmer.
(Production of weighable amounts of Strontium-
87 isotope as an alteration product of Rubidium
in a Canadian mica.)
Naturwiss., vol. 25, p. 189.

(1944): Geologische Altersbestimmungen nach der "Strontium
methode". (Geological Age Determinations accord-
ing to the Strontium Method).
Geol. Foren. Stockholm, Förh. Bd. 66, h. 1,
No. 436, pp. 90-97.

Hanson, George

- (1920): Some Canadian Occurrences of Pyritic Deposits in
in Metamorphic Rocks.
Econ. Geol., vol. 15, pp. 574-609.

Harding, W.K.

- (1914): Rice Lake Gold Mining District, Manitoba.
Min. and Eng. World, vol. 40, pp. 1154-55.

Harrison, J.M.

- (1944): (see Bateman, J.D.)
- (1945a): Snow Lake, Manitoba.
Geol. Surv., Canada, Paper 45-7.
- (1945b): Mineral Occurrences in the Snow Lake Map Area,
Manitoba.
Precambrian, Winnipeg, vol.18, No.4, pp.4-8.
- (1945c): Geology of the Snow Lake Area, Manitoba.
Precambrian, Winnipeg, vol.18, No.5, pp.13-15, 21.
- (1946a): Snow Lake and Nor-Acme Mine Area, Manitoba.
Geol. Surv., Canada, Paper 46-9.
- (1946b): Preliminary Map Morton Lake, Manitoba.
Geol. Surv., Canada, Paper 46-26.
- (1947): Some Aspects of Regional Metamorphism in North-
ern Manitoba. (abstract).
Bull. Geol. Soc. Am., vol. 58, No. 12, pt. 2,
pp. 1188-1189.
- (1948): Nor-Acme Mine.
Struct. Geol. Can. Ore Deposits. C.I.M.M.
pp. 304-306.
- (1948): (See Stockwell, C.H. 1948).
- (1949): Geology and Mineral Deposits of File - Tramping
Lakes Area, Manitoba.
Geol. Surv., Canada, Mem. 250.

Hecht, F.

- (1936) (and Kroupa, E.):
Die Bedeutung der quantitativen Mikroanalyse
radioaktiver Mineralien für die geologische
Zeitmessung. (The importance of quantitative
micro-analysis of radioactive minerals for the
measurement of geological time.)
Zeits. für Anal. Chemie, vol.106, pp. 82-103.

Hector, James

- (1861): On the Geology of the Country between Lake Superior and the Pacific Ocean (between 48th and 54th parallels of latitude) visited by the Government Exploring Expedition under command of Capt. J. Palliser, (1857-1860).
Jour. Geol. Soc. (London), vol.17, pp. 388-445.

Hind, H.Y.

- (1859): Northwest Territory: Reports of Progress, together with a preliminary and general report on the Assiniboine and Saskatchewan exploring expedition (geological report: 163-187). 201 pp. Toronto.
also in Canada, Legis. Assembly, Journ., vol.19, App. No. 36, Toronto, 1859.
another edition British North America, reports expedition.
Great Britain, Parliament August, 1860, 219 pp. Maps.

Hoffman, G.C.

- (1880): Chemical Contributions to the Geology of Canada from the Laboratory of the Survey. (Lazulite near Churchill).
Geol. Surv., Canada, Rept. of Progress, 1878-79, pt. H, pp. 1-25.

Holmes, Arthur

- (1947): An Estimate of the Age of the Earth.
Endeavour, vol. 6, No. 23, pp. 99-108.
Abstract Rhodesian Min. Jour., No. 246, p. 337.
- (1948): The Oldest Known Minerals and Rocks.
Trans. Edinburgh Geol. Soc., vol.14, pt. II, pp. 176-194.
- (1948): (and Smales, A.A.)
Monazite from Bodmin Moor, Cornwall: a Study in Geochronology.
Proc. Roy. Soc. Edinburgh, Sec. B, vol. 63, pt. II, pp. 115-129.

Horwood, H.C.

- (1935): Pre-Keewatin (?) Tonalite (Manitoba)
Trans. Roy. Soc. Canada, 3rd Series, vol. 29, sec. 4, pp. 139-147.

Horwood, H.C. (continued)

- (1936): Granitization in the Cross Lake Region, Manitoba.
Trans. Roy. Soc. Canada, 3rd. Ser., vol. 30,
sec. 4, pp. 99-117.

Hudson Bay Mining and Smelting Co. Ltd., Staff

- (1948) (and C.H. Stockwell):
Flin Flon Mine.
Struct. Geol. of Can. Ore Deposits, C.I.M.M.
pp. 295-301.

Hurley, P.M.

- (1949a): Decay Constants of K^{40} and the Possibility of a
Calcium Age Method.
Report of the Committee on the Measurement of
Geologic Time, N.R.C. Washington, 1948-49,
p. 76.

- (1949b): Age of Canada's Principal Gold Producing Belt.
Science, vol. 110, pp. 49-50.

Hutt, G.M.

- (1950): Searching for Industrial Minerals in Manitoba.
Precambrian, Winnipeg, vol. 23, No. 11,
pp. 41-43.

Isbister, A.K.

- (1855): On the Geology of the Hudson's Bay Territories
and of Portions of the Arctic and Northwest
Regions of America.
Quart. Jour. Geol. Soc. (London), vol. 11,
pp. 497-520.
also Amer. Jour. Sci. and Arts, 2nd Ser., vol.
21, 1856.

Johnston, A.W.

- (1935): A Geological Exploration on Seal River, Northern
Manitoba.
Geol. Surv., Canada, Paper 35-2.

Johnston, R.A.A.

- (1904): Mineral Resources of Canada. Bulletin on
Molybdenum and Tungsten, with notes (on
molybdenite) by C.W. Willimot.
Geol. Surv., Canada, Mineral Resources Bulletin,
No. 872.

- (1915): A List of Canadian Mineral Occurrences.
Geol. Surv., Canada, Mem. 74.

Joliffe, A.W.

(1942): (and Follinsbee, R.E.):

Grading Scheelite by Use of Ultra-Violet Lamp.

Trans. Can. Inst. Min. & Met., vol. 45, pp. 91-98.

Kalliokoski, J.

(1949): Weldon Bay, Manitoba.

Geol. Surv., Canada, Paper 49-5.

(1950): Weldon Bay, Manitoba.

Geol. Surv., Canada, Paper 50-5.

Kennedy, D.J. (See Reid, John, 1933).

Kerr, F.A.

(1935) (and Ruttan, G. Douglas):

The Development of a Gneiss Zone in the Flin Flon Area, Manitoba. (abstract)

Proc. Roy. Soc. Canada, vol. 30, sec. 4,
p. xcvi.

(1938): Origin of the Kisseynew Gneiss in Northern Manitoba and Saskatchewan. (abstract)

Bull. Geol. Soc. Am., vol. 49, No. 12, pt. 2,
p. 1936.

Kinkel, A.R. (see Brownell, 1935).

Kitto, F.H.

(1923): Manitoba, Canada; Its development and Opportunities.
Natural Resources Intelligence Service, Dept. of Interior, Canada; Ottawa.

Kliske, A.E. (see Brownell, 1945).

Knight, C.W. (see Miller, W.G., 1914).

Lang, A.H.

(1948): Review of Tin Prospecting Possibilities in Canada.

Trans. Can. Inst. Min. and Met., vol. 41,
pp. 409-413.

Lawson, A.C.

(1885): Report on the Geology of the Lake of the Woods Region, with Special Reference to Keewatin (Huronian?) Belt of the Archean Rocks.

Geol. Surv., Canada, Ann. Rept., vol. 1, pt. CC,
151 pp.

Lord, C.S.

(1939) (and Stockwell, C.H.):

Halfway Lake-Beresford Lake Area, Manitoba.
Geol. Surv., Canada, Mem. 219.

(1942) Gunnar Gold Mine, Manitoba.

Ore Deposits as Related to Structural Features.
Newhouse, ed. pp. 253-254.

Low, A.P.

(1887) Preliminary Report of an Exploration of Country
Between Lake Winnipeg and Hudson Bay.

Geol. Surv., Canada, Ann. Rept., 1886, pt.F,
24 pp.

McArthur, D.C.

(1921) Non-metallic Mineral Deposits of Manitoba.

Can. Min. and Met. Bull., No.105, pp. 15-16.

McCann, W.S.

(1921) The Maskwa River Copper-Nickel Deposit, South-
eastern Manitoba.

Geol. Surv., Canada, Sum. Rept., 1920, pt. C,
pp. 19-29.

McEachern, R.G. (see Warren, 1943)

McInnes, William

(1906) Explorations along the Proposed Line of The Hudson
Bay Railway.

Geol. Surv., Canada, Sum. Rept., 1906, pp.87-98.

(1909) Explorations on the Churchill River and South
Indian Lake.

Geol. Surv., Canada, Sum.Rept., 1908, pp.87-92.

(1913) The Basins of the Nelson and Churchill Rivers.

Geol. Surv., Canada, Mem. 30.

MacIntosh, R.T.

(1941) Bigstone Lake Area, Oxford Lake Division.
Manitoba Mines Branch, Report 38-1.

MacKenzie, G.S. (see Derry, 1931)

McLaren, A.J.

(1932) Gold In Manitoba.

Trans. Can. Inst. Min. & Met., vol. 35,
pp. 417-433.

McMurphy, R.C.

- (1944): Geology of the Island Lake Area, Manitoba.
Precambrian, Winnipeg, vol. 17, no. 9, pp.
4-9, 17.

Manitoba Mines Branch:

- (1934): Preliminary Report on Bear Lake Investigation.

(1936): Guide for Prospectors in Manitoba.

(1941): How Flin Flon Got Its Name. Booklet.

(1945): Guide for Prospectors in Manitoba. 3rd Edn.

Marshall, J.R.

- (1918a) Gold Bearing District of Southeastern Manitoba.
Geol. Surv., Canada, Sum. Rept., 1917, pt. D,
pp. 17-21.

(1918b) Star Lake Area, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1917, pt. D,
pp. 21-22.

Matheson, A.F. (see Bruce, 1930).

Merritt, C.A.

- (1926): Bigstone and Fox Rivers Area, Northern Manitoba.
Geol. Surv., Canada, Sum. Rept., 1925, pt. B,
pp. 27-30.

Miller, W.G.

- (1913) (and Knight, C.W.).
The Precambrian Geology of Southeastern Ontario,
with an Appendix on the Correlation of the Pre-
cambrian Rocks of Ontario, Western Quebec and
Southeastern Manitoba.
Report, Ontario Bur. Mines, 22, pt. 2, 138 pp.
maps.

Minton, M.C.

- (1946a): Geology of Gem Lake and Bee Lake Areas.
Precambrian, Winnipeg, vol. 19, No. 2, p. 6.

(1946b): Barrington Lake Area, Granville Lake Mining
Division, Manitoba.
Precambrian, Winnipeg, vol. 19, No. 3,
pp. 4-6, 11.

Moore, E.S.

- (1913): Region East of the South End of Lake Winnipeg.
Geol.Surv., Canada, Sum. Rept., 1912,
pp. 262-270.

Morgan, J.H.

- (1941) (and Auer, Marianne L.):
Optical, Spectrographic and Radioactivity Studies
of Zircon.
Am. Jour. Sci., vol. 39, pp. 305-311.

Muench, O.B.

- (1941): Lead-uranium Ratio of Huron Claim (Manitoba)
Monazite (abstract).
Pan. An. Geol., vol.76, No. 1, pp. 75-76.

- (1950): Recent Analyses for Age by Lead Ratios.
Bull.Geol. Soc. Am., vol. 61, No.2, p.129.

Natural Resources Intelligence Service, Dept. of Interior, Ottawa.

- (1926): The Hudson Bay Railway Belt and Hudson Bay.

Nier, A.O.

- (1939): The Isotopic Constitution of Radiogenic Leads and
the Measurement of Geologic Time, II.
Phys. Rev., vol. 55, 2 series, pp. 153-163.

- (1941) (and Thompson, R.W. and Murphy, B.F.):
The Isotopic Constitution of Radiogenic Lead and
the Measurement of Geologic Time, III.
Phys. Rev., vol. 60, 2 series, pp. 112-116.

- (1948) (See Aldrich, L.T. 1948).

Norman, G.W.H.

- (1934): Granville Lake District, Northern Manitoba.
Geol.Surv., Canada, Sum. Rept., 1933, pt. C.
pp. 23-41.

O'Sullivan, Owen

- (1906): On Explorations Along the Proposed Route of the
Canadian Northern Railway between Split Lake
and Fort Churchill.
Geol.Surv., Canada, Sum.Rept., 1906, pp.99-102.

Parsons, A.L.

- (1912): Goldfields of Lake of the Woods, Manitou and Dryden.
Ontario Bur. Mines, Ann.Rept., vol.21, pt. 1,
pp. 169-204.

Parsons, A.L. (continued).

- (1934): The Utilization of the Semiprecious and Ornamental Stones of Canada.
Univ. of Toronto Studies, Geol. Ser., No. 36,
pp. 13-21.

Peach, P.A.

- (1949): (See Smith, F.G.)

Prather, Harold P.

- (1926): Manitoba, a Potential Canadian Mining Area.
Eng. and Min. Jour., vol. 122, No. 23,
pp. 887-893.

Precambrian.

- (1938a): Rice Lake Mining Division.
Precambrian, Winnipeg, vol. 11, No. 2, p. 5.
- (1938b): Herb Lake Mining Division, Manitoba.
Precambrian, Winnipeg, vol. 11, No. 3, p. 7.
- (1938c): Gods Lake Mining Division, Manitoba.
Precambrian, Winnipeg, vol. 11, No. 4, p. 7.
- (1938d): Oxford and Island Lakes Mining Divisions.
Precambrian, Winnipeg, vol. 11, No. 5, p. 7.
- (1948a): The Cuprus Copper-Zinc Mine.
Precambrian, Winnipeg, vol. 21, No. 11,
pp. 6-7, 12.
- (1948b): The Ogama-Rockland Mine.
Precambrian, Winnipeg, vol. 21, No. 10, pp. 16-19.
- (1949): Development of Nor-Acme Mine by Howe Sound
Exploration Company.
Precambrian, Winnipeg, vol. 22, No. 2, pp. 6-13.
- Reid, John
- (1931): Geology of the San Antonio Gold Mine, Rice Lake,
Manitoba.
Econ. Geol., vol. 26, pp. 644-661.
- (1933) (and Kennedy, D.J.): The San Antonio Gold Mine.
Can. Min. and Met. Bull, No. 256, pp. 495-505.

Richardson, John

(1828): (see Franklin, Sir John)

Robertson, D.S.

(1948): Preliminary Map, Nokomis Lake, Manitoba.
(with descriptive notes).

Geol. Surv., Canada, Paper 48-8.

(1949): Preliminary Map, Moody Lake Area, Manitoba.

Geol. Surv., Canada, Paper 49-20.

(1950): Preliminary Map, Elbow Lake, Manitoba.

Geol. Surv., Canada, Paper 50-1.

Robinson, A.H.A.

(1926): Manitoba as a Mining Province.

Mines Branch, Canada, Rept. No.687, pp. 31-35.

(1932): Gold in Canada.

Mines Branch, Canada, Rept. No. 734, pp.41-49.

Rowe, R.C.

(1929a): The Manitoba Tin Discoveries.

Can. Min. Jour., vol. 50, No.13, pp. 284-285.

(1929b): The Sherritt-Gordon Mine.

Can.Min. Jour., vol. 50, No.33, pp. 762-765.

Russell, G.A.

(1948a): Geology of the Wallace Lake Area, Rice Lake
Division.

Manitoba Mines Branch, Prelim. Rept. 47-1.

(1948b): Economic Geology of the Wallace Lake Area,
Manitoba.

Western Miner, vol. 21, No. 3, pp. 45-47.

(1949a): Geology of the English Brook Area, Rice Lake
Division.

Manitoba Mines Branch, Prelim. Rept. 48-3.

(1949b): Field Use of Aerial Photographs in the Canadian
Shield.

Precambrian, Winnipeg, vol. 22, No. 10,
pp. 10-17, and No. 11, pp. 8-14.

Rutherford, R.L.

- (1936): Optically Positive Cordierite in the Kisseynew Gneiss at Sherridon, Manitoba.
Am. Mineral. vol. 21, No. 6, pp. 386-388.

San Antonio Mine Staff.

- (1936): The San Antonio Mine and Mill.
Trans. Can. Inst. Min. and Met., vol. 29,
pp. 1-9.

Scoble, T.C.

- (1897): The Natural Resources of the Country Between Winnipeg and Hudson Bay; our Northern Outlet.
Proc. Can. Inst., n.s. vol. 1, pp. 17-18.

Scott, H.S.

- (1948): Decrepitation Method Applied to Minerals with Fluid Inclusions.
Econ. Geol., vol. 43, pp. 637-654.

Selwyn, A.R.C.

- (1873): Notes of a Preliminary Geological Reconnaissance from Lake Superior by the English and Winnipeg Rivers to Fort Garry.
Geol. Surv., Canada, Rept. of Progress, 1872-73,
pp. 8-18.

- (1883): Explorations of A.S. Cochrane, East and North of Lake Winnipeg.
Geol. Surv., Canada, Rept. of Progress,
1880-81-82, pp. 15-16.

Shepherd, F.D.

- (1938): The Lithium Situation in Manitoba.
Precambrian, Winnipeg, vol. 11, No. 7, p. 3.
- (1939): The Gunnar Mine, Manitoba.
Trans. Can. Inst. Min. and Met., vol. 42,
pp. 406-415.
- (1940): Geological Features of Manitoba Mineral Areas.
Precambrian, Winnipeg, vol. 13, No. 3, pp. 51-53.
- (1943): Recent Developments in the Snow-Herb Lakes Area, Manitoba.
Precambrian, Winnipeg, vol. 16, No. 11, pp. 19, 27.

Smith, F.G.

- (1949) (and P.A. Peach): Apparatus for the Recording of Decrepitation in Minerals.
Econ. Geol. vol.44, pp. 449-451.

Spector, I.H.

- (1945): Geology of the Stull Lake Area, Manitoba.
Precambrian, Winnipeg: vol.18, No.9, pp.4-6.

Spence, H.S.

- (1928): Lithium Minerals in Southeastern Manitoba.
Mines Branch, Canada, Rept.No. 687, pp.12-18.
Same title in:
Can. Min. Jour., vol.49, pp. 829-831.

(1929): Mica.

Mines Branch, Canada, No. 701.

Springer, G.D.

- (1947): Geology of the Knee Lake Area, Gods Lake Division.
Manitoba Mines Branch, Prelim. Rept. 46-1.

(1948): Geology of the Cat Lake-Maskwa Lake Area, Lac du Bonnet Division.

Manitoba Mines Branch, Prelim. Rept. 47-2.

(1949a): Geology of the Cat Lake-Winnipeg River Area, Lac du Bonnet Division.

Manitoba Mines Branch, Prelim. Rept. 48-7.

(1949b): Geology and Mineral Deposits of a Part of South-eastern Manitoba.

Precambrian, Winnipeg, vol.22, No.8, pp.9-10, 35.

(1950): Mineral Deposits of the Cat Lake-Winnipeg River Area.

Manitoba Mines Branch, Pub. 49-7.

Spurr, J.E.

(1923): The Ore Magmas.

McGraw-Hill Book Co., New York, 562 pp.

Stanton, M.S.

(1946): Tramping Lake, Manitoba.

Geol. Surv., Canada, Paper 46-19.

(1948): Geology of the Farley Lake Area, Granville Lake Division.

Manitoba Mines Branch, Prelim. Rept. 47-5.

Stanton, M.S. (continued)

- (1949): Geology of the Dunphy Lakes Area, Granville Lake Division.
Manitoba Mines Branch, Prelim. Rept. 48-4.

Stockwell, C.H.

- (1929): Reindeer Lake Area, Saskatchewan and Manitoba.
Geol. Surv., Canada, Sum. Rept., 1928, pt. B,
pp. 46-72.
- (1933a): Genesis of Pegmatites of Southeast Manitoba.
Trans. Roy. Soc. Canada, 3rd Series, vol. 27,
sec. 4, pp. 37-51.
- (1933b): Genesis of a Lithium Pegmatite on the Bear Mineral Claim, Southeast Manitoba.
Trans. Roy. Soc. Canada, 3rd Series, vol. 27,
sec. 4, pp. 27-36.
- (1934): (See Wright, J.F.)
- (1935): Gold Deposits of Elbow-Morton Lake Area, Manitoba.
Geol. Surv., Canada, Mem. 186.
- (1937): Gold Deposits of Herb Lake Area, Northern Manitoba.
Geol. Surv., Canada, Mem. 208.
- (1938a): Lithium Deposits (southeastern Manitoba); Beryllium Deposits; Fuchsite-bearing Rock Suitable for Stucco Material.
Geol. Surv., Canada, Mem. 169, pp. 108-129.
- (1938b): Rice Lake-Gold Lake Area, Southern Manitoba.
Geol. Surv., Canada, Mem. 210.
- (1939): (and Lord, C.S.):
Halfway Lake - Beresford Lake, Manitoba.
Geol. Surv., Canada, Mem. 219.
- (1940): Gold Mines and Prospects in Rice Lake - Beresford Lake Area, Manitoba.
Trans. Can. Inst. Min. and Met., vol. 43,
pp. 613-626.
- (1942a): Preliminary Map, Beresford Lake, Manitoba.
Geol. Surv., Canada, Paper 42-3.
- (1942b): Preliminary Map, Gem Lake, Manitoba.
Geol. Surv., Canada, Paper 42-14.

Stockwell, C.H. (continued)

(1942c): Preliminary Map, Rice Lake, Manitoba.
Geol. Surv., Canada, Paper 42-15.

(1944): The Flin Flon-Snerridon-Herb Lake Mineral Area,
Manitoba and Saskatchewan.
Lecture Series, Prospector's Ass'n., Winnipeg,
Feb. 19, 1944.
also: Precambrian, Winnipeg, vol.17, No. 8,
pp. 4-7, 13.

(1946): Flin Flon-Mandy Area, Manitoba and Saskatchewan.
Geol. Surv., Canada, Paper 46-14.

(1948): Structural Control of Mineral Deposits in South-
eastern Manitoba.
Struct. Geol. Can. Ore Deposits, C.I.M.M.,
pp. 306-314.

(1948) (and Harrison, J.M.): Structural Control of Ore
Deposits in Northern Manitoba.
Struct. Geol. Can. Ore Deposits, C.I.M.M.
p. 284-291.

(1948) (see Gibson).

(1948) (see Hudson Bay Mining and Smelting Staff).

Strassman, F.

(1937) (see Hahn, O.)

Tanton, T.L.

(1937): Preliminary Report Echimamish Area, Northern
Manitoba.
Geol. Surv., Canada, Paper 37-18.

(1940): Post-Missi Intrusions on Torrington Island,
Amisk Lake, Saskatchewan.
Trans. Roy. Soc. Canada, vol. 34, sec. 4,
pp. 135-142.

(1941a): Flin Flon, Saskatchewan-Manitoba.
Geol. Surv., Canada, Map 633A, with notes.

(1941b): Schist Lake, Saskatchewan-Manitoba.
Geol. Surv., Canada, Map 633A, with notes.

Thomson, J.E.

(1927): Canadian Localities for Chalmersite.
Toronto Univ. Studies, Geol., Ser. No. 24, pp. 44-46.

Thomson, J.E. (continued)

- (1943): Boulangerite and Columbite-Tantalite from
Manitoba.
Toronto Univ. Studies, Geol. Ser., No. 48,
p. 103.

Thomson, R.M.

- (1943): (See Warren, H.V.)

- (1950): Mineral Occurrences in Western Canada.
Amer. Mineral, vol. 35, p. 454.

Thomson, Robert

- (1946): L. Marmen Group, Bee Lake, Red Lake Mining
Division.
Precambrian, Winnipeg, vol.19, No. 2, pp.6-7.

Tyrrell, J.B.

- (1889): Explorations in Lake Winnipegosis Region, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1887-88, pt. A,
pp. 72-75.
- (1890): Report of an Examination of the Shores and Islands
of Lake Winnipegosis, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1888-89, pt. A,
pp. 15-25.
- (1891): Explorations in Northern Manitoba in 1890.
Geol. Surv., Canada, Ann. Rept., vol. 5, pt. A,
pp. 26-37.
- (1892): Summary Report of a Geological Examination of the
Lake Winnipeg Region, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1891, pt. A,
pp. 19-25.
- (1895): Report on Exploration in the Region between
Athabasca Lake and Hudson Bay.
Geol. Surv., Canada, Sum. Rept., 1894, pt. A,
pp. 38-48.
- (1896a): Report of an Examination of the Country Northeast
of Lake Winnipeg.
Geol. Surv., Canada, Sum. Rept., 1895, pt. A,
pp. 39-45.
- (1896b): Is the Land Around Hudson Bay at Present Rising?
Am. Jour. Sci., (4), vol. 2, pp. 200-205.

Tyrrell, J.B. (continued)

(1896) (and Dowling, D.B.):

Report on the Country Between Athabasca Lake and Churchill River, with Notes on Two Routes Travelled Between the Churchill and Saskatchewan Rivers.

Geol.Surv., Canada, Ann.Rept., vol.8, pt.D, 120 pp.

(1897a): Explorations North of Lake Winnipeg in 1896.

Geol.Surv., Canada, Ann.Rept., vol.9, pt. A, pp. 31-34.

(1897b): Report on the Dubawnt, Kazan, and Ferguson Rivers and the Northwest Coast of Hudson Bay; and on Two Overland Routes from Hudson Bay to Lake Winnipeg.

Geol.Surv., Canada, Ann.Rept., vol.9, pt. F, 218 pp.

(1898): Report of Field Work in Lake Winnipeg Region, Manitoba.

Geol.Surv., Canada, Sum. Rept., 1897, pt. A, pp. 35-38.

(1898) (and Dowling, D.B.):

East Shore, Lake Winnipeg.

Geol.Surv., Canada, Ann. Rept., vol. 11, pt. G, 120 pp.

(1900): Stability of the Land Around Hudson Bay.

Geol. Mag. (4), vol. 7, pp. 266-267.

(1902): Report on Explorations in the Northeastern Portion of the District of Saskatchewan and Adjacent Parts of the District of Keewatin.

Geol.Surv., Canada, Ann.Rept., vol.13, pt. F, 48 pp.

(1908): Minerals and Ores of Northern Canada.

Jour.Can.Min.Inst., vol. 11, pp. 348-365.

also: Can.Min.Jour., vol.30, pp.149-150, 1909.

(1913): Hudson Bay Exploring Expedition, 1912.

22nd Ann. Rept. Ontario Bureau of Mines, 1913, pt. I, pp. 161-209.

(1915): Precambrian Goldfields of Central Canada.

Trans.Roy.Soc. Canada, Series 3, vol.9, sec. 4, pp. 89-118.

Abstract: Econ.Geol., vol.10, pp.475-477, 1915.

Tyrrell, J.B. (continued)

- (1916): Notes on the Geology of Nelson and Hayes Rivers.
Trans. Roy. Soc. Canada, Ser. 3, vol. 10,
sec. 4, pp. 1-27.

Walker, T.L.

- (1931): Rare Minerals in Pegmatite, Pointe du Bois, Manitoba
Toronto Univ. Studies, Geol.Ser. No. 30, pp.9-13.
- (1934): Enelectrite, a New Mineral Found in Chemawinitite.
Univ. Toronto Studies, Geol.Ser., No. 36, pp.11-12.

Wallace, R.C.

- (1913): The Rice Lake Gold District of Manitoba.
Trans. Can. Min. Inst., vol.16, pp. 538-544.
- (1916a): Sulphide Deposits at Flin Flon and Schist Lakes,
Manitoba.
Can. Min. Jour., vol. 37, pp. 468-469.
- (1916b): The Herb Lake Gold District.
Can. Min. Jour., vol. 37, p. 466.
- (1916c): Manitoba Gold Belt Prospects
Eng. and Min. Jour., vol. 102, p. 332.
- (1916) (and DeLury, J.S.):
Mineral Belt North of The Pas, Northwestern Mani-
toba and Eastern Saskatchewan.
Can.Min. and Met. Bull., vol.54, pp. 884-890.
- (1917): Area Between Red River and Eastern Boundary of
Manitoba, and Between Winnipeg River and National
Transcontinental Railway, Manitoba.
Geol.Surv., Canada, Sum.Rept., 1916, pp.175-178.
- (1917) (and DeLury, J.S.):
The Rice Lake Gold District; The District North of
The Pas; The Star Lake District.
Man. Pub. Util. Comm., pp. 97-110.
- (1918a): The Origin of Gold Deposits in the Canadian Pre-
cambrian.
Trans. Can. Inst. Min. and Met., vol. 21, pp.
287-292.

Wallace, R.C.

- (1918b): The Resources of Manitoba and their Development.
Univ. of Man. Publ, 1918.
- (1919a): The Gold Discovery at Copper Lake, Manitoba.
Can. Min. Jour., vol. 40, pp. 731-733.
- (1919b): Mining Development in Northern Manitoba.
Bull. Can. Min. Inst., No. 83, pp. 287-296.
Trans., vol. 22, pp. 329-340.
- (1919c): Progress in The Northern Manitoba Mineral Belt.
Can. Min. Jour., vol. 40, pp. 843-846.
- (1920): Mining and Mineral Prospects in Northern Manitoba.
Northern Manitoba Bull., Office of Commissioner
of Northern Manitoba.
- (1921): The Gold Discovery at Elbow Lake.
Can. Min. Jour., vol. 42, No. 36, p. 720.
- (1922a): The Flin Flon Orebody.
Trans. Can. Inst. Min. and Met., vol. 24,
pp. 99-111.
- (1922b): Secondary Processes in Some Pre-Cambrian Ore-
bodies.
Trans. Roy. Soc. Canada, 3rd Ser., vol. 16, sec.
4, pp. 169-174.
- (1923): Mineral Resources of Manitoba.
Indust. Dev. Board, Manitoba, 1923.
(Revised 1927). 58 pp. incl. maps.
- (1924): An Unusual Occurrence of Cyanite.
Am. Mineral., vol. 9, No. 6, pp. 129-135.
- (1925a): Mineral Deposits of Hudson Bay Territory.
Trans. Can. Inst. Min. and Met., vol. 28,
pp. 301-310.
- (1925b): Relationship in Mineral Deposits in Northwestern
Manitoba.
Econ. Geol., vol. 20, pp. 431-441.
- (1925c): The Geological Formations of Manitoba.
Nat. Hist. Soc. of Manitoba, 1925. 58 pp. Map.

Wallace, R.C. (continued)

(1926): The Area from Flin Flon Northwards to Cold Lake,
Northern Manitoba.
Indust. Dev. Board, Manitoba.

(1927): The Flin Flon Orebody.
Indust. Dev. Board, Manitoba.

(1927) (and Greer, L.):
The Non-metallic Mineral Resources of Manitoba.
Indust. Dev. Board, Manitoba.

(1928): Copper-Zinc and Gold Mineralization in Manitoba.
Trans. Can. Inst. Min. and Met., vol. 31,
pp. 42-56.
also: Can. Min. Jour., vol. 49, No. 8, pp. 170-172.

Walling, E. (see Hahn, 1937).

Warren, H.V.

(1943) (and Thompson, R.M., Bacon, W.R., McEachern, R.G.):
The Distribution of Gold in a Sample from a Prospect
in the Herb Lake Area, Manitoba.
The Miner (B.C.) vol. 16, No. 1, pp. 25-28.

Williams, M.Y.

(1947): Geological History of Churchill, Manitoba (abstract)
Bull. Geol. Soc. Am., vol. 58, No. 12, Pt. 2,
December, 1947. (same title in Western Miner,
vol. 21, No. 6, pp. 39-41, 1948).

Willimot, C.W. (see Johnston, R.A.A., 1904).

Wilson, M.E. (see Collings, W.H.).

Wright, J.F.

(1923): Rice Lake Map Area, Southeastern Manitoba.
Geol. Surv., Canada, Sum. Rept., 1922, pt. C,
pp. 45-91.

(1924): Geology and Mineral Prospects of the Northern
Part of Beresford Lake Map-Area, Southeast
Manitoba. Geol. Surv., Canada, Sum. Rept.,
1923, pt. B, pp. 86-115.

(1925a): Oiseau and Maskwa Copper and Copper-Nickel
Deposits, Southeast Manitoba.
Trans. Can. Inst. Min. and Met., vol. 28,
pp. 161-173.

Wright, J.F. (continued)

- (1925b): Central Manitoba Gold Field; Some Geological Notes on the East Central Manitoba (Rice Lake) Gold Area.
Can. Min. Jour., vol. 46, No. 4, pp. 91-95.
- (1926a): Geology and Mineral Deposits of Oiseau River Map Area, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1924, pt. B, pp. 51-105.
- (1926b): Oxford and Knee Lakes Area, Northern Manitoba.
Geol. Surv., Canada, Sum. Rept., 1925, pt. B, pp. 16-26.
- (1926c): Geology and Mineral Deposits of the East Central Manitoba Mining Districts. (with discussion).
Trans. Can. Inst. Min. and Met., vol. 28, pp. 311-329.
- (1928): Island Lake Area, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1927, pt. B, pp. 54-80.
- (1929a): Kississing Lake Area, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1928, pt. B, pp. 73-104.
- (1929b): Geology and Copper-Zinc Deposits of Gold Lake Area, Manitoba.
Trans. Can. Inst. Min. and Met., vol. 32, pp. 65-87.
- (1929c): Geology of Oiseau (Bird) River Area, Manitoba.
Can. Min. Jour., vol. 50, Nos. 42, 43, 44, 45, and 47, pp. 987-990; 1014, 1027; 1040-1041, 1062-1063; 1069, 1076; 1089-1090, 1097-1099, 1101.
- (1929d): Island Lake Area, Manitoba.
Can. Min. Jour., vol. 50, Nos. 15, 16, and 18, pp. 334-337, 359-362, 408-409.
- (1930a): Sherritt-Gordon Geology.
Can. Min. Jour., vol. 51, No. 32, p. 762.

Wright, J.F. (continued)

- (1930b): Tin, Lithium and Beryllium Deposits of Southeast Manitoba.
Can. Min. Jour., vol. 51, No. 22, pp. 514-517.
- (1930c): Gold, Copper-Nickel and Tin Deposits of Southeast Manitoba.
Geol. Surv., Canada, Sum. Rept., 1929, pt. B, pp. 136-171.
- (1930d): Crystalline Limestone in the Kisseynew of Northern Manitoba.
Can. Min. Jour., vol. 51, p. 762.
- (1930e): The Sherritt-Gordon Copper-Zinc Deposit, Northern Manitoba (discussion).
Econ. Geol., vol. 25, No. 3, pp. 286-289.
- (1931a): Geology and Mineral Deposits of a Part of Northwest Manitoba.
Geol. Surv., Canada, Sum. Rept., 1930, pt. C, pp. 1-24.
- (1931b): Prospecting Areas of Northwest Manitoba.
Trans. Can. Inst. Min. and Met., vol. 34, pp. 83-109.
- (1932a): Geology and Gold Prospects of the Areas about Island, Gods and Oxford Lakes, Manitoba.
Can. Min. and Met. Bull. No. 244, pp. 440-454.
- (1932b): Oxford House Area, Manitoba.
Geol. Surv., Canada, Sum. Rept., 1931, pt. C, pp. 1-25.
- (1932c): Geology and Mineral Deposits of a Part of Southeastern Manitoba.
Geol. Surv., Canada, Mem. 169.
- (1932d): Geology of Wadhope Area, Manitoba.
Geol. Surv., Canada, Map 280A.
- (1932e): Geology of Lac du Bonnet Sheet, Manitoba.
Geol. Surv., Canada, Map 275A.

Wright, J.F. (continued)

(1932) (and Stockwell, C.H.):

Geology of Oiseau Sheet, Manitoba and Ontario.
Geol. Surv., Canada, Map 274A.

(1933): Amisk Lake Area, Saskatchewan.

Geol. Surv., Canada, Sum. Rept., 1932, pt. C,
pp. 73-110.

(1934a) (and Stockwell, C.H.):

West Half of Amisk Lake Area, Saskatchewan.
Geol. Surv., Canada, Sum. Rept., 1933, pt. C,
pp. 12-22.

(1934b) (and Stockwell, C.H.):

Gold Occurrences of Flin Flon District, Manitoba
and Saskatchewan.
Geol. Surv., Canada, Sum. Rept., 1933, pt. C,
pp. 1-11.

(1935): General Geological Features of the Mining Fields
of Manitoba and Adjoining Districts.

Trans. Can. Inst. Min. and Met., vol. 38,
pp. 255-260.

PART II

REFERENCES INDEXED BY SUBJECT

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- Regional: Bell, 1873; Cole, 1938; DeLury, 1925; DeLury and Cole, 1930; Franklin, 1828; Isbister, 1855; Stockwell, 1948; Stockwell and Harrison, 1948; Wallace, 1918; Wright, 1935.
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- Milling, Gem Lake: Anderson, A.K., 1929.
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English Brook: Russell, 1949.
Lynn Lake: Allan, 1946, 1947, 1948a, 1950.
Maskwa Lake: Springer, 1948, 1949, 1950.
Maskwa River: Colony, 1921; DeLury, 1921; McCann, 1921;
Wright, 1925a, 1930c, 1932c.
Morton Lake: Harrison, 1949.
Oiseau River: See "Bird River".
Tramping Lake: Harrison, 1949.

Platinum

Maskwa River: Colony, 1921; McCann, 1921.
Star Lake: Marshall, 1918b.

Tin

General: Bateman, 1943a; DeLury, 1929; Lang, 1948;
Wright, 1930b, 1930c.
Occurrences: Cole, 1938.
Bernic Lake: Derry, 1930b; Rowe, 1929a; Springer, 1949, 1950;
Wright, 1930b, 1930c.
Bird River: Bateman, 1943a; Derry, 1930b.
Red Sucker Lake: Lang, 1948.
Rush Lake: Bateman, 1943a; Lang, 1948.
Shatford Lake: Bateman, 1943a; DeLury, 1926; Derry, 1930b,
Springer, 1949, 1950; Wright, 1930b, 1930c.
Walton Lake: Lang, 1948.
West Hawk Lake: DeLury, 1920.

Tungsten

General: Wallace, 1923.
Occurrences: Cole, 1938.
Boundary District: DeLury, 1921, 1927.
Edwards Lake: Harrison, 1949.
Falcon Lake: Bateman, 1943c; Bruce, 1919c; DeLury, 1918, 1919.
Grading Scheelite: Joliffe and Follinsbee, 1942.

Uranium and Radioactive Minerals

Winnipeg River: DeLury and Ellsworth, 1921.
Bird River: Ellsworth, 1932.

Zinc

General: Alcock, 1930; Wallace, 1923.
Occurrences: Alcock, 1930; Cole, 1938; Wallace, 1928.
Cuprus: Precambrian, 1948a.
Flin Flon: Alcock, 1923, 1930, 1933; Alcock and Bingay, 1927,
Bruce, 1917.

Kississing: Wright, 1929.
Mandy: Alcock, 1923, 1930, 1933; Bruce, 1917.
Mystery Lake: Alcock, 1930.
Reindeer Lake: Alcock, 1930; Stockwell, 1929.
Sherritt-Gordon: Alcock, 1930; Bruce, 1929, 1930;
Rowe, 1929b, Wright, 1929.

HISTORICAL GEOLOGY

Missi and Amisk: Cooke, 1933.
Post Missi Intrusives: Tanton, 1940.
Precambrian Correlation: Miller, 1913.
Pre-Keewatin (?) Tonalite: Horwood, 1935.
Stratigraphy: Wallace, 1925c.

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Mineral Occurrences: Johnston, 1915.
Boulangerite: Thomson, 1943.
Chalmersite: Thomson, 1927.
Chromite (Bird River): Bateman, 1945c.
Columbite-Tantalite: Thomson, 1943.
Cordierite: Rutherford, 1936.
Cyanite: Wallace, 1924.
Enelectrite: Walker, 1934.
Red Gold (San Antonio): Ferguson, 1950.
Lazulite: Hoffman, 1880.
Lepidolite (Rb/Tl Ratio): Ahrens, 1948b.
Rare Minerals (Pointe du Bois): Walker, 1931.
Rose Quartz - Birse Lake: Parsons, 1934.
Tellurbismuth: Thompson, 1950.
Temperature of Deposition: Scott, 1948; Scott and Peach, 1949.
Zeolites, Sherritt-Gordon: Brownell, 1938.
Zircons, chemical and optical variation: Morgan and Auer, 1941.

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Amisk Lake: Tanton, 1940.
Amygdaloid (Lake Manitoba): Bell, 1904.
Differentiation in Granite: Alcock, 1921c.
Flin Flon: Ambrose, 1936b.
Granitization: Horwood, 1936.
Kisseynew Gneiss: Bruce and Matheson, 1930; Kerr, 1938.
Wright, 1930d.
Gneisses at Flin Flon: Kerr and Ruttan, 1936.

Metamorphism - regional: Harrison, 1947.
- Flin Flon: Kerr, 1936, 1938.
- Morton Lake: Currie, 1947.
McVeigh Lake: Bateman, 1942a.
Norite: Colony, 1921.
Pegmatites, genesis: Stockwell, 1933.
Lake Winnipeg, petrography: Ferrier, 1899.
Rock Alteration, San Antonio Mine: Bragg, 1943.

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Flin Flon: Ambrose, 1936a.
McVeigh Lake: Bateman, 1942a.
Sherritt-Gordon: Derry, 1942.

MISCELLANEOUS

Geological Age:

Ahrens, 1947, 1948a,c; Ahrens and Evans, 1948;
Ahrens, 1949, 1950; Aldrich and Nier, 1948;
De Lury and Ellsworth, 1931; Ellsworth, 1925;
Hahn, 1937, 1944; Hecht and Kroupa, 1936; Holmes, 1947,
1948; Holmes and Smales, 1948; Hurley, 1949; Morgan, 1941;
Muench, 1941, 1950; Nier, 1939, 1941.

Temperature of Deposition:

Scott, 1948; Smith and Peach, 1949.

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Regional: Alcock and Bruce, 1921; Anderson, J., 1910; Bell, 1873, 1879, 1881; Brock, 1911; Bruce, 1922, 1933; Bruce and Matheson, 1930; Campbell, J.A., 1917a, 1918; Coleman and Parks, 1922; Cooke, 1933; Dawson, 1875; DeLury and Cole, 1930; Edwards, 1821; Hector, 1861; Isbister, 1855; Kitto, 1923; McInnes, 1906; Prather, 1926; Shepherd, 1940; Tyrrell, 1915.

Athabasca to Hudson Bay: Tyrrell, 1895.

Hudson Bay: Tyrrell, 1896b, 1900; Wallace, 1925a.

Hudson Bay to Lake Winnipeg: Tyrrell, 1897b.

Lake Winnipeg: Tyrrell, 1892, 1898.

Northern Manitoba: Tyrrell, 1891, 1902; Wright, 1931.

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General: Bruce, 1918b,e, 1919a,b; Buckham, 1942; DeLury, 1916b; Wallace and DeLury, 1916; Wright, 1931.

Amisk Lake Area, General: Wright, 1933, Wright and Stockwell, 1934a.

Regional: Bruce, 1915, 1916, 1918b.

Post-Missi Intrusives: Tanton, 1940.

Prospects: Wallace, 1920.

Athapapuskow Lake, Sulphide deposits: Wallace, 1919c, Wright, 1931a.

Brunne Lake, Gold occurrences: Wallace, 1919c; Wright, 1931a.

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General: Alcock, 1924; Brownell and Kinkel, 1935; Bruce, 1920a; Callinan, 1917; Hanson, 1920; Shepherd, 1940; Stockwell, 1944, 1946; Tanton, 1941a; Wallace, 1916a, 1919b,c, 1922a, 1926, 1927; Hudson Bay Mining and Smelting Co. Staff and Stockwell, 1948.

Flin Flon, Development of gneisses: Kerr and Ruttan, 1936.

Gold: McLaren, 1932; Robinson, 1932; Wright and Stockwell, 1943b.

- Historical: Cole, 1948; Greer, 1930; Phelan, 1935.
Metamorphism: Kerr, 1936, 1938.
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The name: Manitoba Mines Branch, 1941.
Zinc: Alcock and Bingay, 1927.
Gurney Mine, General: Hage, 1944.
Kississing Lake, General: Wright, 1929.
Sulphide deposits: Wright, 1931a.
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Spurr, 1923; Stockwell, 1946; Wallace, 1919b.
Copper: Bruce, 1920a.
Mikanagan Lake, Regional: Bateman and Harrison, 1944.
Gold deposits: Bateman, 1945a.
Nokomis Lake, General: Robertson, 1948.
The Pas, General: Alcock, 1924.
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Sulphides: Wallace, 1916a; Wright, 1931a.
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1927; Bateman, 1944a; Bruce, 1929, 1930; Derry, 1942;
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Sherridon, Cordierite: Rutherford, 1936.
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Walton Lake, tin: Lang, 1948.
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- General: Williams, 1947
Regional: Alcock, 1916.
Churchill River, General: Alcock, 1921c.
Regional: Bell, 1880; McInnes, 1909, 1913.
Differentiation in granite: Alcock, 1921c.
Hayes River, Regional: Tyrrell, 1913.
Nelson River, Regional: O'Sullivan, 1906.

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- Assean-Split Lakes, General: Dawson, 1941.
Bigstone River, General: Merritt, 1926.
Burntwood River, Regional: Alcock, 1921a; Dowling, 1902.
Churchill River, Regional: Dowling, 1902.

Cross-Pipestone Area, Regional: Alcock, 1920a.
Cross Lake, Granitization: Horwood, 1936.
Molybdenite: Johnston, 1904.
Pre-Keewatin Tonalite: Horwood, 1935.
Grass River, Regional: Dowling, 1902.
(Wekusko-Setting L.): Wright, 1931a.
Landing Lake: Wright, 1931a.
Mystery Lake: Birse, 1928a; Wright, 1931a.
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O'Sullivan, 1906; Tyrrell, 1913, 1916.
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Paint Lake, General: Wright, 1931a.
Partridge Crop Lake, General: Wright, 1931a.
Seal River, Regional: Johnston, 1935.
Setting Lake, General: Wright, 1931a.
South Indian Lake, Regional: McInnes, 1909.
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Regional: Bell, 1880; Dobbs, 1906.
Fox River, General: Merritt, 1926.
Gods Lake, Gold: Shepherd, 1940; Wright, 1932a.
Gods Lake Mine: Baker, 1935; De Wet, 1935.
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Regional: Bruce, 1920b.
Gold: Wright, 1932a.
Peckinaw River, Regional: Dobbs, 1906.
Shamattawa, Regional: Dobbs, 1906.
Stull Lake, General: Downie, 1937; Spector, 1945.

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Barrington Lake, General: Crombie, 1948; Minton, 1946b.
Gold: Stanton, 1948.
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Dunphy Lakes, General: Stanton, 1949.
Farley Lake, General: Stanton, 1948.
Gold: Stanton, 1948.
Granville Lake, Prospecting: Brown, 1947.
Hughes Lake, General: Allan, 1948b.

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Rat River Route, Regional: Alcock, 1921b.
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Sickle Lake, General: Fawley, 1949.
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Regional: Alcock, 1918, 1919b, 1920b, 1921d; Bruce, 1917.
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Beavertail Lake, Copper: Harrison, 1949.
Berry Creek, Copper: Harrison, 1949.
Birch Lake, Gold: Harrison, 1949.
Chisel Lake, Gold: Harrison, 1949.
Corley Lake, Gold: Harrison, 1949.
Cook Lake, Sulphide: Harrison, 1949.
Crowduck Bay, General: Frarey, 1948.
Edwards Lake, Scheelite: Harrison, 1949.
Elbow-Marston Lakes, General: Shepherd, 1940; Stockwell, 1935.
Elbow Lake, Gold: Stockwell, 1935; Wallace, 1921.
Zircons: Morgan and Auer, 1941.
File Lake, General: Harrison, 1949.
Sulphides: Harrison, 1949.
Fourmile Island, Gold: Harrison, 1949.
Gaspard-Anderson Lakes, Gold: Harrison, 1949.
Gordon Lake, Sulphides: Harrison, 1949.
Herb Lake, Gold: Alcock, 1919b, 1920c, 1921, 1924;
Anonymous, 1925; Stockwell, 1937; Wallace, 1916b,
1919b, 1920; Warren, 1943; Wright, 1931a.
Herblet Lake, Gold: Harrison, 1949.
Jackfish Lake, Copper: Harrison, 1949.
Loonhead Lake, Sulphides: Harrison, 1949; Wright, 1931a.
Moody Lake, General: Robertson, 1949.
Moore Lake, Gold: Harrison, 1949.
Morgan Lake, Gold: Harrison, 1949.
Sulphides: Harrison, 1949.
Morton Lake, General: Harrison, 1946b.
Copper: Harrison, 1949.
Metamorphism: Currie, 1947.
Nickel: Harrison, 1949.
Sulphide occurrences: Wright, 1931a.

Nelson River, Regional: McInnes, 1913.
Norris Lake, Gold: Stockwell, 1935.
Photo Lake, Gold: Harrison, 1949.
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Reed-File Lakes, Regional: Alcock, 1919a, 1920b.
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Tern Lake, Gold: Harrison, 1949.
Threehouse Lake, Gold: Harrison, 1949.
Tramping Lake, General: Harrison, 1949; Stanton, 1946.
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Woosey Lake, Sulphides: Harrison, 1949.

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 1932a.
 Regional: Bell, 1880.
Boundary District, General: Derry and MacKenzie, 1930.
Island Lake, Gold: Shepherd, 1940; Wright, 1932a.
Red Sucker Lake, Tin: Lang, 1948.

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General: Collins, 1913; Collins and Camsell, 1913; Collins and
 Wilson, 1913; Wallace, 1917; Wright, 1925a, 1932c.
Regional: Bell, 1994; Lawson, 1885; Selwyn, 1873.
Gold and Scheelite Deposits: Bruce, 1919c.
Pegmatites: DeLury, 1926; Stockwell, 1933.
Bernic Lake, Beryl: DeLury, 1926; Springer, 1949, 1950.
 Lithium: Ellsworth, 1932; Springer, 1949, 1950;
 Stockwell, 1938a; Wallace and Greer, 1927.
 Temperature of deposition (amblygonite): Smith and Peach,
 1949.
 Tin: Derry, 1930b; Rowe, 1929a; Springer, 1949, 1950;
 Wright, 1930b.
Bird Lake, Copper: Springer, 1949, 1950; Wright, 1926a.
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- Bird River, Regional: Moore, 1913
General: Cooke, 1922; Springer, 1949, 1950; Wright, 1926a, 1929c.
Copper-nickel deposits: DeLury, 1927; Wright, 1925a, 1930b, 1932c.
Chromite: Bateman, 1943b; Brownell, 1942; De Wet, 1942; Springer, 1949, 1950.
Lithium: DeLury, 1927; Wright, 1926a.
Nickel: Springer, 1949, 1950; Wright, 1925a.
Tin: Bateman, 1943a; Derry, 1930b.
- Birse Lake, rose quartz: Parsons, 1934.
- Boundary District, General: DeLury, 1921; Derry and MacKenzie, 1930.
Molybdenite: DeLury, 1927.
Tungsten: DeLury, 1927.
- Cat Lake, General: Springer, 1948, 1949, 1950.
Beryllium: Springer, 1949, 1950; Stockwell, 1938a.
Lithium: DeLury, 1926; Ellsworth, 1932; Springer, 1948, 1949, 1950; Stockwell, 1938a; Wallace and Greer, 1927.
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- Falcon Lake, General: Brownell, 1941; Bruce, 1918c; DeLury, 1919.
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- Lake of the Woods, Gold: Parsons, 1912.
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General: Springer, 1948, 1949, 1950.
- Maskwa River, General: DeLury, 1921; McCann, 1921; Springer, 1948, 1949, 1950.
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- Oiseau River: See "Bird River".
- Pointe du Bois, Beryl and Quartz: Scott, 1948.
Molybdenite: Wright, 1926c.
Rare minerals: Walker, 1931.
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- Shatford Lake, Beryl: Springer, 1950; Stockwell, 1938a.
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- Silver Leaf, Chromium (fuchsite): Spence, 1928.
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Springer, 1949, 1950; Stockwell, 1938a.
Fuchsite: Stockwell, 1938a.
Geological age: Ahrens, 1950; Hecht and Kroupa, 1936;
Holmes, 1947; Muench, 1950.
Lepidolite (Rb/Tl ratio): Ahrens, 1948b.
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Gold: Tanton, 1937.
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Resources, General: DeLury, 1927.
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- Black Island, Iron: Brownell and Kliske, 1945.
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 Gold: Stockwell and Lord, 1939; Wright, 1932c.
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 Gold: Wright, 1924.
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 Gold: DeLury, 1916a; Wright, 1925b.
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Palomar Lake, Gold: Wright, 1932c.
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Tinney Lake, Gold: Stockwell and Lord, 1939.
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Manitoba. Geology by J.S. DeLury, 1937.

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- Map 37-2 Cat-Euclid Lakes Area. Geology by F.D. Shepherd,
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- Map 37-4 Boundary Area - Southeastern Manitoba; long. $95^{\circ}10'$
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- Map 46-2 Lynn Lake Area; long. $101^{\circ}00'$ - $101^{\circ}15'$; lat.
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- Map 47-3 Hughes Lake Area; long. $100^{\circ}30'$ - $100^{\circ}45'$; lat. $56^{\circ}45'$ - $57^{\circ}00'$; 2 in. to 1 mi. Geology by J. D. Allan.
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- Map 47-5 Farley Lake Area; long. $100^{\circ}15'$ - $100^{\circ}30'$; lat. $56^{\circ}45'$ - $57^{\circ}00'$; 2 in. to 1 mi. Geology by M.S. Stanton.
- Map 47-6 Barrington Lake Area; long. $100^{\circ}00'$ - $100^{\circ}15'$; lat. $56^{\circ}45'$ - $57^{\circ}00'$; 2 in. to 1 mi. Geology by G.P. Crombie.
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- Map 49-7 Cat Lake-Winnipeg River Area; long. $95^{\circ}09'$ - $95^{\circ}40'$; lat. $50^{\circ}15'$ - $50^{\circ}40'$; 1 in. to 1 mi. Geology by G.D. Springer.

PRELIMINARY REPORTS AND MAPS PUBLISHED BY
THE GEOLOGICAL SURVEY OF CANADA

1935 - 1950

Papers

- * 35-2 Preliminary report; A Geological Exploration of Seal River, Northern Manitoba, by A.W. Johnston.

- * 37-7 Preliminary report, Stull (Mink) Lake Area, Manitoba, by D.L. Downie.

- * 37-18 Preliminary report, Echimamish Area, Northern Manitoba, by T.L. Tanton.

- * 42-13 Preliminary map, Beresford Lake, Manitoba, by C.H. Stockwell.

- * 42-14 Preliminary map, Gem Lake, Manitoba, by C.H. Stockwell.

- * 42-15 Preliminary map, Rice Lake, Manitoba, by C.H. Stockwell.

- * 42-16 Preliminary map, Athapapuskow Lake, Manitoba, by A.F. Buckham.

- 44-4 Preliminary map, Sherritt Gordon Mines Area, by J.D. Bateman.

- 44-22 Mikanagan Lake, Manitoba (Map and descriptive notes) by J.D. Bateman and J.M. Harrison.

- 45-7 Snow Lake, Manitoba (Map and descriptive notes) by J.M. Harrison.

- 45-12 Gold Deposits East of Flin Flon, Manitoba (report and figure) by J.D. Bateman.

- 45-14 McVeigh Lake Area, Manitoba (report, map and figure) by J. D. Bateman.

- 45-15 Sherridon Manitoba (map and descriptive notes) by J.D. Bateman and J.M. Harrison.

- 46-9 Preliminary maps, Snow Lake and Nor-Acme Mine Area, Manitoba (two maps), by J.M. Harrison.
- 46-19 Tramping Lake (Northern Part), Manitoba, by M.S. Stanton.
- 46-26 Preliminary map, Morton Lake, Manitoba, by J.M. Harrison.
- 48-8 Preliminary map, Nokomis Lake, Manitoba (Map with descriptive notes), by D.S. Robertson.
- 48-22 Preliminary map, Crowduck Bay, Manitoba, by M.J. Frarey.
- 49-5 Preliminary map, Weldon Bay, Manitoba (Map and descriptive notes), by J. Kalliokoski.
- 49-9 Preliminary map, Collins Point, Manitoba, by M.J. Frarey.
- 49-12 Preliminary map, Brochet, Manitoba (Map and descriptive notes), by N.R. Gadd.
- 49-20 Preliminary map, Moody Lake, Manitoba, by D.S. Robertson.
- 50-1 Preliminary map, Elbow Lake, Manitoba, by D.S. Robertson.
- 50-5 Second preliminary map, Weldon Bay, Manitoba, (Map and descriptive notes), by J. Kalliokoski.

GEOLOGICAL MAPS OF MANITOBA PUBLISHED BY
GEOLOGICAL SURVEY OF CANADA

1917 - 1950

- 135A Lower Churchill River; lat. $57^{\circ}00'$ to $59^{\circ}00'$;
long. $94^{\circ}00'$ to $99^{\circ}00'$; scale 1 in. to 16 mi.;
geology (1918).
- 1670 Schist Lake district; scale 1 in. to 2 mi.;
geology (1917).
- * 1671 Wekusko Lake; scale 1 in. to 2 mi.; geology
(1917).
- * 1672 Diagram showing gold-bearing deposits in the
vicinity of Big Clearwater Lake; scale 1 in.
to $3/4$ mi.; geology (1917).
- * 1692 Amisk and Athapapuskow Lake region; lat.
 $54^{\circ}23'$ to $54^{\circ}59'$; long. $100^{\circ}45'$ to $102^{\circ}24'$;
scale 1 in. to 4 mi.; geology (1917).
- 1726 Athapapuskow Lake region; lat. $54^{\circ}15'$ to
 $55^{\circ}00'$; long. $100^{\circ}45'$ to $102^{\circ}30'$; scale
1 in. to 3 mi.; geology (1919).
- * 1763 Portion of the Rex group of claims, Wekusko
Lake; scale 1 in. to 200 ft.; geology (1919).
- 1801 Reed and Wekusko Lakes region; lat. $54^{\circ}30'$
to $55^{\circ}02'$; long. $99^{\circ}25'$ to $100^{\circ}43'$; scale
1 in. to 2 mi.; geology (1920).
- 1802 Upper Whitemouth River; lat. $49^{\circ}00'$ to
 $49^{\circ}52'$; long. $95^{\circ}10'$ to $96^{\circ}30'$; scale
1 in. to 3 mi.; surface geology (1921).
- * 1838 Rat River route from Threepoint Lake to
Southern Indian Lake; scale 1 in. to 8 mi.;
geology (1921).
- * 1839 The terminal moraine of the Seal-Churchill
divide; scale 1 in. to 5 mi.; geology (1921).

- 1841 Diagram showing Maskwa River nickel-copper deposits; scale 1 in. to 3/4 mi.; geology (1922).
- 1861 The Ospwagan Lake-Burntwood River area; lat. 55°27' to 55°49'; long. 97°50' to 98°20'; scale 1 in. to 2 mi.; geology (1921).
- * 1928 Oiseau River area; scale 1 in. to 3/4 mi.; geology (1922).
- * 1929 Rice Lake area; scale 1 in. to 3/4 mi.; geology (1922).
- 1978 Part of the Flin Flon group of claims; scale 1 in. to 250 ft.; geology (1923).
- * 1992 Preliminary map of a portion of Rice Lake mining district; lat. 50°51' to 51°07'; long. 95°30' to 95°56'; scale 1 in. to 1 mi.; geology (1923).
- * 1994 Flin Flon Lake area; lat. 54°42' to 54°49'; long. 101°48' to 101°58'; scale 1 in. to 1/2 mi.; geology (1925).
- 1995 Cross and Pipestone Lakes area; lat. 54°25' to 54°50'; long. 97°17' to 98°10'; scale 1 in. to 2 mi.; geology (1924).
- * 2012 Beresford Lake area, Rice Lake mining district; lat. 50°51' to 50°58'; long. 95°13' to 95°28'; scale 1 in. to 1 mi.; geology (1925).
- * 2059 Oiseau River area; lat. 50°16' to 50°30'; long. 95°09' to 95°49'; scale 1 in. to 1 mi.; geology (1925).
- * 2109 Oxford and Knee Lakes area; lat. 54°40' to 55°10'; long. 94°20' to 96°05'; scale 1 in. to 2 mi.; geology (1926).
- 2110 Bigstone and Fox Rivers area (three sheets); scale 1 in. to 2 mi.; geology (1926).

- 195A Beresford and Rice Lakes area; lat. $50^{\circ}40'$ to $51^{\circ}05'$; long. $95^{\circ}09'$ to $95^{\circ}47'$; scale 1 in. to 1 mi.; geology (1927).
- 211A Island Lake area; lat. $53^{\circ}36'$ to $54^{\circ}05'$; long. $93^{\circ}36'$ to $95^{\circ}08'$; scale 1 in. to 2 mi.; geology (1928).
- * 233A Reindeer Lake area; lat. $56^{\circ}15'$ to $58^{\circ}08'$; long. $101^{\circ}23'$ to $103^{\circ}22'$; scale 1 in. to 6 mi.; geology (1929).
- * 234A Kississing Lake area; lat. $54^{\circ}56'$ to $55^{\circ}30'$; long. $100^{\circ}50'$ to $102^{\circ}00'$; scale 1 in. to 2 mi.; geology (1929).
- * 2199 Sherritt-Gordon deposit, Kississing Lake; scale 1 in. to 800 ft.; geology (1929).
- * 254A Winnipeg sheet, Manitoba and Saskatchewan; lat. $49^{\circ}00'$ to $52^{\circ}00'$; long. $95^{\circ}00'$ to $102^{\circ}00'$; scale 1 in. to 8 mi.; surface geology (1931).
- 268A The Pas, Manitoba and Saskatchewan; lat. $52^{\circ}00'$ to $55^{\circ}00'$; long. $96^{\circ}00'$ to $103^{\circ}30'$; scale 1 in. to 8 mi.; geology (1934).
- 274A Oiseau sheet (east of principal meridian), Manitoba and Ontario; lat. $50^{\circ}15'$ to $50^{\circ}30'$; long. $95^{\circ}00'$ to $95^{\circ}30'$; scale 1 in. to 1 mi.; geology (1932).
- 275A Lac du Bonnet sheet (east of principal meridian); lat. $50^{\circ}15'$ to $50^{\circ}30'$; long. $95^{\circ}30'$ to $96^{\circ}05'$; scale 1 in. to 1 mi.; geology (1932).
- * 280A Wadhope area (township 22, range 16, east of principal meridian); lat. $50^{\circ}49'$ to $50^{\circ}56'$; long. $95^{\circ}14'$ to $95^{\circ}25'$; scale 1 in. to 2,000 ft.; geology (1932).
- * 301A Granville Lake area; lat. $56^{\circ}13'$ to $57^{\circ}00'$; long. $100^{\circ}00'$ to $101^{\circ}00'$; scale 1 in. to 4 mi.; geology (1934).

- 305A Oxford House sheet; lat. $54^{\circ}00'$ to $55^{\circ}00'$;
long. $94^{\circ}00'$ to $96^{\circ}00'$; scale 1 in. to
4 mi.; geology (1934).
- 321A Elbow-Morton area; lat. $54^{\circ}35'$ to $54^{\circ}58'$;
long. $100^{\circ}25'$ to $100^{\circ}58'$; scale 1 in. to
2 mi.; geology (1935).
- 343A Granville Lake sheet (west half); lat. $56^{\circ}00'$
to $57^{\circ}00'$; long. $101^{\circ}00'$ to $102^{\circ}00'$;
scale 1 in. to 4 mi.; geology (1936)
- 344A Granville Lake sheet (east half); lat. $56^{\circ}00'$
to $57^{\circ}00'$; long. $100^{\circ}00'$ to $101^{\circ}00'$;
scale 1 in. to 4 mi.; geology (1936)
- 345A Portion of Seal River, northern Manitoba;
lat. $58^{\circ}30'$ to $59^{\circ}30'$; long. $94^{\circ}00'$ to
 $99^{\circ}00'$; scale 1 in. to 4 mi.; geology
(1936).
- 346A Seal River area, northern Manitoba; lat.
 $57^{\circ}00'$ to $60^{\circ}00'$; long. $94^{\circ}00'$ to $100^{\circ}00'$;
scale 1 in. to 12 mi.; geology (1936).
- * 374A Herb Lake area (north sheet); scale 1 in. to
1000 ft.; geology (1936).
- * 375A Herb Lake area (centre sheet); scale 1 in.
to 1,000 ft.; geology (1936).
- * 376A Herb Lake area (south sheet); scale 1 in.
to 1,000 ft.; geology (1936).
- 423A Norway House sheet (east half); lat. $53^{\circ}00'$
to $54^{\circ}00'$; long. $96^{\circ}00'$ to $97^{\circ}00'$; scale
1 in. to 4 mi.; geology (1938).
- 424A Norway House sheet (west half); lat. $53^{\circ}00'$
to $54^{\circ}00'$; long. $97^{\circ}00'$ to $98^{\circ}00'$; scale
1 in. to 4 mi.; geology (1938).
- 425A Deer Lake sheet (west half), Manitoba and
Ontario; lat. $52^{\circ}00'$ to $53^{\circ}00'$; long.
 $95^{\circ}00'$ to $96^{\circ}00'$; scale 1 in. to 4 mi.;
geology (1938).

- 426A Berens River sheet (east half); lat. $52^{\circ}00'$ to $53^{\circ}00'$; long. $96^{\circ}00'$ to $97^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 427A Berens River sheet (west half); lat. $52^{\circ}00'$ to $53^{\circ}00'$; long. $97^{\circ}00'$ to $98^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 428A Carroll Lake sheet (west half); Manitoba and Ontario; lat. $51^{\circ}00'$ to $52^{\circ}00'$; long. $95^{\circ}00'$ to $96^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 429A Hecla sheet (east half); lat. $51^{\circ}00'$ to $52^{\circ}00'$; long. $96^{\circ}00'$ to $97^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 451A Stull Lake sheet (east half), Manitoba and Ontario; lat. $54^{\circ}00'$ to $55^{\circ}00'$; long. $92^{\circ}00'$ to $93^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 452A Stull Lake sheet (west half), Manitoba and Ontario; lat. $54^{\circ}00'$ to $55^{\circ}00'$; long. $93^{\circ}00'$ to $94^{\circ}00'$; scale 1 in. to 4 mi.; geology (1938).
- 458A Rice Lake-Gold Lake area (sheet 1); scale 1 in. to 500 ft.; geology (1938).
- 459A Rice Lake-Gold Lake area (sheet 2); scale 1 in. to 500 ft.; geology (1938).
- 460A Rice Lake-Gold Lake area (sheet 3); scale 1 in. to 500 ft.; geology (1938).
- 461A Rice Lake-Gold Lake area (sheet 4); scale 1 in. to 500 ft.; geology (1938).
- 462A Rice Lake-Gold Lake area (sheet 5); scale 1 in. to 500 ft.; geology (1938).
- 463A Rice Lake-Gold Lake area (sheet 6); scale 1 in. to 500 ft.; geology (1938).
- 464A Rice Lake-Gold Lake area (sheet 7); scale 1 in. to 500 ft.; geology (1938).
- 465A Rice Lake-Gold Lake area (sheet 8); scale 1 in. to 500 ft.; geology (1938).

- 535A Halfway Lake-Beresford Lake, southeastern Manitoba (sheet 1); scale 1 in. to 1,000 ft.; geology (1940).
- 536A Halfway Lake-Beresford Lake, southeastern Manitoba (sheet 2); scale 1 in. to 1,000 ft.; geology (1940)
- 537A Halfway Lake-Beresford Lake, southeastern Manitoba, sheet (3); scale 1 in. to 1,000 ft.; geology (1940).
- 632A Flin Flon, Saskatchewan and Manitoba; lat. $54^{\circ}45'$ to $55^{\circ}00'$; long. $101^{\circ}45'$ to $102^{\circ}00'$; scale 1 in. to 1 mi.; geology (1941).
- 633A Schist Lake, Saskatchewan and Manitoba; lat. $54^{\circ}30'$ to $54^{\circ}45'$; long. $101^{\circ}45'$ to $102^{\circ}00'$; scale 1 in. to 1 mi.; geology (1941).
- 665A Wekusko, lat. $54^{\circ}40'$ to $55^{\circ}00'$; long. $99^{\circ}45'$ to $100^{\circ}00'$; scale 1 in. to 1 mi.; geology (1941).
- 807A Athapapuskow Lake, west of principal meridian; lat. $54^{\circ}30'$ to $54^{\circ}45'$; long. $101^{\circ}30'$ to $101^{\circ}45'$; scale 1 in. to 1 mi.; geology (1944).
- 809A Beresford Lake, east of principal meridian; lat. $50^{\circ}50'$ to $51^{\circ}03'$; long. $95^{\circ}10'$ to $95^{\circ}30'$; scale 1 in. to 1 mi.; geology (1945).
- 810A Rice Lake, east of principal meridian; lat. $50^{\circ}50'$ to $51^{\circ}05'$; long. $95^{\circ}30'$ to $95^{\circ}50'$; scale 1 in. to 1 mi.; geology (1945).
- 811A Gem Lake, east of principal meridian; lat. $50^{\circ}37'$ to $50^{\circ}50'$; long. $95^{\circ}10'$ to $95^{\circ}30'$; scale 1 in. to 1 mi.; geology (1945).
- 832A Mikanagan Lake, west of principal meridian; lat. $54^{\circ}45'$ to $55^{\circ}00'$; long. $101^{\circ}30'$ to $101^{\circ}45'$; scale 1 in. to 1 mi.; geology (1945).

- 850A Geological map of Manitoba; lat. $49^{\circ}00'$ to $60^{\circ}00'$; long. $90^{\circ}00'$ to $103^{\circ}00'$; scale 1 in. to 20 mi.; geology (1946). Price 25 cents.
- 851A Mineral map of Manitoba; lat. $49^{\circ}00'$ to $60^{\circ}00'$; long. $90^{\circ}00'$ to $103^{\circ}00'$; scale 1 in. to 20 mi.; geology (1946). Price 25 cents.
- 862A Sherridon, west of principal meridian; lat. $55^{\circ}00'$ to $55^{\circ}15'$; long. $101^{\circ}00'$ to $101^{\circ}15'$; scale 1 in. to 1 mi.; geology (1947).
- 906A Tramping Lake, west of principal meridian; lat. $54^{\circ}30'$ to $54^{\circ}05'$; long. $100^{\circ}00'$ to $100^{\circ}30'$; scale 1 in. to 1 mi.; geology (1947).
- 929A File Lake, west of principal meridian; lat. $54^{\circ}45'$ to $55^{\circ}00'$; long. $100^{\circ}00'$ to $100^{\circ}30'$; scale 1 in. to 1 mi.; geology (1948).
- 930A Nor-Acme Mine Area; lat. (approx.) $54^{\circ}50'$ to $54^{\circ}55'$; long. $100^{\circ}00'$ to $100^{\circ}05'$; scale 1 in. to 1,000 ft.; geology (1948).
- 970A Kississing, Saskatchewan and Manitoba; lat. $55^{\circ}00'$ to $56^{\circ}00'$; long. $100^{\circ}00'$ to $102^{\circ}00'$; scale 1 in. to 4 mi.; geology (1949).
- 1001A Brochet, Manitoba; lat. $57^{\circ}00'$ to $58^{\circ}00'$; long. $100^{\circ}00'$ to $102^{\circ}00'$; scale 1 in. to 4 mi.; geology (1950).

